

94th Congress }
2d Session }

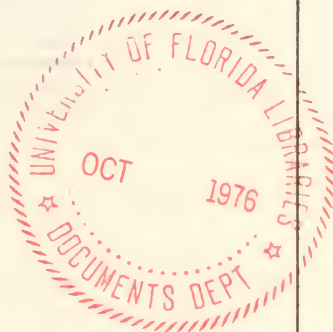
JOINT COMMITTEE PRINT

CURRENT MEMBERSHIP
OF THE
JOINT COMMITTEE ON ATOMIC ENERGY
CONGRESS OF THE UNITED STATES

JOINT COMMITTEE ON ATOMIC ENERGY
MEMBERSHIP, PUBLICATIONS, AND OTHER
PERTINENT INFORMATION THROUGH THE
94TH CONGRESS, 1ST SESSION



MARCH 1976



Printed for the use of the Joint Committee on Atomic Energy

U.S. GOVERNMENT PRINTING OFFICE
WASHINGTON : 1976

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FOREWORD

One of the declared purposes of the Atomic Energy Act of 1954 is to provide for "the dissemination of unclassified scientific and technical information * * * so as to encourage scientific and industrial progress." It is with this policy in mind that the Joint Committee has published this pamphlet. On the pages that follow there is considerable information that can be of material assistance to any citizen desiring access to unclassified atomic energy data.

Included in the information set forth within is a comprehensive list of the unclassified publications issued by the Joint Committee since its formal establishment by Congress; references to and brief descriptions of atomic energy legislation that has been enacted since the first such enactment in 1946; a complete list of the legislative reports of the committee; a tabulation of committee reports on agreements for cooperation; and the names and locations of Energy Research and Development Administration depository libraries in this country and abroad. Also included are tables tracing the membership of the committee and the Atomic Energy Commission, the Energy Research and Development Administration, and the Nuclear Regulatory Commission from their inception; a table reflecting the length of service on the committee and its various subcommittees of each current member; and a statement of the committee's organization and functions. There is also included a report to Congress on the activities and accomplishments of the committee during the most recently completed session of Congress.

It is the committee's hope that this informative publication will be of assistance to the Congress and interested citizens.

JOHN O. PASTORE,
Chairman, Joint Committee on Atomic Energy.
MELVIN PRICE,
Vice Chairman.

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I. MEMBERSHIP OF THE JOINT COMMITTEE AND ITS SUBCOMMITTEES, 94TH CONGRESS, 1ST SESSION (1975)

JOINT COMMITTEE ON ATOMIC ENERGY

JOHN O. PASTORE, Rhode Island, *Chairman*
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HENRY M. JACKSON, Washington
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JOHN V. TUNNEY, California
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CLIFFORD P. CASE, New Jersey
JAMES B. PEARSON, Kansas
JAMES L. BUCKLEY, New York

JOHN YOUNG, Texas
TENÓ RONCALIO, Wyoming
MIKE McCORMACK, Washington
JOHN E. MOSS, California
JOHN B. ANDERSON, Illinois
MANUEL LUJAN, JR., New Mexico
FRANK HORTON, New York
ANDREW J. HINSHAW, California

SUBCOMMITTEE ON AGREEMENTS FOR COOPERATION

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JOHN V. TUNNEY, California
CLIFFORD P. CASE, New Jersey
JAMES B. PEARSON, Kansas

SUBCOMMITTEE ON COMMUNITIES

JOHN YOUNG, Texas, *Chairman*

MANUEL LUJAN, JR., New Mexico

HENRY M. JACKSON, Washington
HOWARD H. BAKER, JR., Tennessee
JAMES L. BUCKLEY, New York

SUBCOMMITTEE ON ERDA, ENVIRONMENT AND SAFETY

MIKE McCORMACK, Washington, *Chairman*

JOHN B. ANDERSON, Illinois

JOHN V. TUNNEY, California
HOWARD H. BAKER, JR., Tennessee
CLIFFORD P. CASE, New Jersey
JAMES L. BUCKLEY, New York

SUBCOMMITTEE ON ERDA, NUCLEAR ENERGY

HENRY M. JACKSON, Washington, *Chairman*

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JOSEPH M. MONTOYA, New Mexico
JOHN V. TUNNEY, California
HOWARD H. BAKER, JR., Tennessee
CLIFFORD P. CASE, New Jersey
JAMES B. PEARSON, Kansas

JOHN YOUNG, Texas
TENÓ RONCALIO, Wyoming
MIKE McCORMACK, Washington
JOHN E. MOSS, California
JOHN B. ANDERSON, Illinois
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ANDREW J. HINSHAW, California

SUBCOMMITTEE ON LEGISLATION

JOSEPH M. MONTOYA, New Mexico, *Chairman*HENRY M. JACKSON, Washington
JAMES B. PEARSON, KansasMIKE McCORMACK, Washington
JOHN B. ANDERSON, Illinois
FRANK HORTON, New York

SUBCOMMITTEE ON NATIONAL SECURITY

STUART SYMINGTON, Missouri, *Chairman*HENRY M. JACKSON, Washington
JOSEPH M. MONTOYA, New Mexico
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HOWARD H. BAKER, JR., Tennessee
CLIFFORD P. CASE, New Jersey
JAMES L. BUCKLEY, New YorkJOHN YOUNG, Texas
TENO RONCALIO, Wyoming
JOHN E. MOSS, California
MANUEL LUJAN, JR., New Mexico
FRANK HORTON, New York
ANDREW J. HINSHAW, California

II. ORGANIZATION AND FUNCTIONS OF THE JOINT COMMITTEE ON ATOMIC ENERGY

The Joint Committee on Atomic Energy was first organized on August 2, 1946, pursuant to the Atomic Energy Act of 1946 (Public Law 79-585). The Joint Committee did not become fully operative, however, until the convening of the 80th Congress in 1947. The enacting legislation provided that the Joint Committee consist of nine members from the Senate and nine members from the House of Representatives with not more than five members from either Chamber belonging to the same political party.

The law further provided that the Joint Committee "shall select a chairman and a vice chairman from among its members." Historically, the chairman was a Member of one House of Congress and the vice chairman a Member of the other. Until the 83d Congress the chairman was a Member of the Senate. After the convening of the 83d Congress in 1953, Congressman Sterling Cole of New York, former vice chairman of the committee and a member since the 80th Congress, was elected chairman. Senator Bourke B. Hickenlooper of Iowa was elected vice chairman.

The Atomic Energy Act of 1954 (Public Law 83-703), which superseded the 1946 act, clarified the rotation of the chairmanship by specifically providing that—

The chairmanship shall alternate between the Senate and the House of Representatives with each Congress, and the chairman shall be selected by the members from the House entitled to the chairmanship. The vice chairman shall be chosen from the House other than that of the chairman by Members of that House.

The Joint Committee is unique in that it is the only joint committee of Congress authorized to receive and recommend to the Congress proposed legislation. It is one of the few committees established by statute, rather than by rule of each House. Much of its work is conducted in executive session in compliance with the security requirements of the Atomic Energy Act, although in recent years a majority of its hearings have been held in public.

The Joint Committee was established as an agent of the Congress and the American people, and charged with the responsibility of making "continuing studies of the activities of the Atomic Energy Commission and of problems relating to the development, use, and control of atomic energy." The existence of the Atomic Energy Commission was terminated on January 19, 1975, pursuant to the Energy Reorganization Act of 1974. The AEC's regulatory functions were transferred to the Nuclear Regulatory Commission and the other functions were transferred to the Energy Research and Development Administration. The Joint Committee continues to be the congressional agent responsible for the new Commission as well as for the nuclear programs of ERDA. The functions and responsibilities of the Joint Committee include:

First, the legislative function, which covers all phases from the initiation of a legislative measure through committee consideration and debate on the floors of the House and Senate. All bills, resolutions, and other matters in the Senate or the House of Representatives relating primarily to the development, use, or control of atomic energy are required by law to be referred to the Joint Committee for its consideration. The legislative function continues to be of great importance, as greater emphasis is devoted to the peaceful uses of atomic energy. Until the enactment of the Atomic Energy Act of 1954, there had been relatively little legislative action by the Joint Committee. Since the passage of the Atomic Energy Act of 1954, the Joint Committee has considered and recommended several amendments to the act each year in order to keep it up to date in a fast-moving field. Identical bills are usually reported to each House simultaneously, as are identical reports containing the Joint Committee's recommendations with respect to matters within its jurisdiction. Another legislative function of the Joint Committee consists of the action of the committee's Senate section in conducting hearings and reporting on confirmation of certain Presidential appointees.

Second is the "watchdog" function, which is a necessary part of the operation of a government of separated powers and a vital legislative responsibility. This function was of prime importance when the AEC was first established and most activities were of a secret nature. The Joint Committee maintains a close surveillance of the various aspects of the atomic energy program and the work of the NRC, ERDA, and Defense Department with a view to insuring that adequate progress is being made, and that public funds appropriated for the program are being expended wisely and efficiently. ERDA and NRC are required by law to keep the Joint Committee fully and currently informed with respect to all of their nuclear activities. The Department of Defense is required to keep the committee fully and currently informed with respect to all matters within the Department relating to the development, utilization, or application of atomic energy. All other Government agencies are required to furnish any information requested by the committee with respect to the activities or responsibilities of those agencies in the field of atomic energy. In accordance with the latter requirement the Joint Committee receives briefings from other agencies and departments of the Government, including the Department of State and the Central Intelligence Agency.

Third is the policy and review function by which the Joint Committee, or individual members, propose policy changes or innovations in the atomic energy program. For example, the Joint Committee has expedited and supported the naval nuclear propulsion program, the hydrogen bomb project, an expanded atomic power program, the preservation of food through irradiation, the utilization of atomic energy for space applications, and the liquid metal fast breeder reactor program.

Fourth is the information function, which imposes on the Joint Committee specific responsibility for providing information to the Congress and to the public in this important expanding scientific field. The Joint Committee is required to meet continuing requests for information as to its activities. Press releases announcing Joint Committee hearings and giving information on matters of concern to the public in the field of atomic energy are issued from time to time

during each Congress. The Joint Committee generally holds public hearings during each session of Congress on subjects which are important to the atomic energy program. Published hearings, reports, committee prints and other materials published for distribution are automatically made available to the public in accordance with the general procedures of the Congress. Many specific requests from interested individuals and organizations are answered daily by the committee staff. Requests from members of the press, radio, and television corps are handled as expeditiously as possible.

Materials on various aspects of the atomic energy program are forwarded to Members of Congress, libraries, students, interested individuals, and industrial, religious, and private organizations upon request. Members and staff of the Joint Committee also provide assistance in connection with educational activities by identifying sources of information available through the Atomic Energy Commission and other Government agencies. In addition, articles are prepared and talks delivered before interested groups dealing with the various uses of atomic energy.

SPECIAL STATUTORY DUTIES OF THE JOINT COMMITTEE

Authorizing Legislation.—A 1963 amendment of section 261 of the Atomic Energy Act of 1954 required prior congressional authorization of all appropriations for the AEC, including both construction and operating funds. This amendment was enacted in order to further insure adequate congressional control over the atomic energy program. Under section 261, Congress' specialized arm—the Joint Committee on Atomic Energy—reviewed and recommended authorization for the AEC's entire budget, thereby permitting the Joint Committee to deal effectively with the critical problems in the atomic energy field.

Section 305 of the Energy Reorganization Act of 1974 imposed this requirement for annual authorizations on ERDA and NRC. The Joint Committee has cognizance over the NRC authorizations and the nuclear programs under ERDA. The requirement for authorizing legislation has proven of value in many ways. The Joint Committee receives testimony in both executive and open hearings. The hearings give a meaningful opportunity for detailed examination of program needs, and furnish needed information to Members of Congress in their consideration of the appropriation bills.

Agreements for Cooperation.—Section 11b. of the act defines "agreement for cooperation" as "any agreement with another nation or regional defense organization, authorized or permitted by section 54, 57, 64, 82, 91c., 103, 104, or 144, and made pursuant to section 123." The agreements may cover cooperation with other nations in either the military or civilian applications of atomic energy.

The authorized agreements are subject to procedural checks set forth in section 123. With respect to agreements for cooperation concerning the civil uses of atomic energy which do not provide for transfer of reactors above a certain size, or fuel for such reactors, section 123 provides that no such agreement may become effective until the proposed agreement for cooperation, together with the approval of the President and his written determination that performance of the agreement will promote and will not constitute an unreasonable risk to the common defense and security, has been

submitted to the Joint Committee and a period of 30 days has elapsed while Congress is in session. The section further provides, however, that the Joint Committee "may by resolution in writing waive the conditions of all or any portion of such thirty-day period."

The Atomic Energy Act of 1954 was amended in 1958 (Public Law 85-479) to permit, subject to certain conditions, limitations, and procedures, greater exchange with military allies of specifically defined types of military information and materials. In accordance with section 123 d. of the act, such agreements for cooperation on uses of atomic energy for mutual defense purposes, together with the approval and determination of the President, must be submitted to the Congress and referred to the Joint Committee on Atomic Energy where they must lie for a period of 60 days while Congress is in session before becoming effective. However, a proviso to section 123 d. provides that any such proposed agreement for cooperation shall not become effective if during such 60-day period the Congress passes a concurrent resolution stating in substance that it does not favor the proposed agreement for cooperation.

The Atomic Energy Act was amended in 1974 to extend the 60-day review requirement to any agreement for cooperation or amendment to an agreement which would permit the transfer of a reactor capable of producing more than 5 megawatts of thermal power or fuel for such a reactor. Section 123 d. was also amended to require that the Joint Committee submit a report to Congress on any such proposed agreement within 30 days after its receipt. Another 1974 change, to section 54, established a similar procedure for increases in amounts of special nuclear material which may be distributed to Euratom or IAEA.

Review of Special Nuclear Material.—Section 51 of the Atomic Energy Act of 1954 authorizes the Atomic Energy Commission (now NRC and ERDA) to determine materials, other than those specifically defined under the act, to be special nuclear materials. Such a determination, together with the President's assent, must be submitted to the Joint Committee and a period of 30 days elapse while Congress is in session before that determination becomes effective.

Similarly, in section 61, ERDA and NRC are authorized to determine materials, other than those specifically defined under the act, to be source materials (from which special nuclear materials are derived). As under section 51, the Joint Committee is required to be notified and a 30-day period must elapse before such determination can become effective.

Other Statutory Review Provisions.—Similar provisions are contained in section 164, which deals with ERDA's authority to enter into new contracts or modify or confirm existing contracts for long-term electric utility service.

Under the provisions of section 58 of the act, before ERDA may establish any "guaranteed purchase price" or "guaranteed purchase price period" for licensee-produced plutonium or U²³³, and before ERDA may establish any criteria for the waiver of use charges for special nuclear material, such price, period or criteria must be submitted to the Joint Committee and a period of 45 days must elapse while Congress is in session.

Pursuant to section 161 v., which was added to the act in 1964, ERDA is authorized to contract with licensees and foreign governments to produce or enrich special nuclear material in ERDA-owned facilities. Under this amendment ERDA is required to establish criteria for the performance of these services, and is further required to submit the criteria, and any proposed revisions and amendments to criteria previously established, to the Joint Committee for a period of 45 days unless the committee, by resolution in writing, waives the conditions of, or all or any portion of, such 45-day period.

Similarly, before ERDA enters into any arrangement or an amendment to an arrangement under the cooperative power reactor demonstration program which has not been previously approved as part of the AEC or ERDA authorizing legislation, such arrangement or amendment must be submitted to the Joint Committee and a period of 45 days must elapse while Congress is in session.

This type of submission is also required for disposal of Government property at Richland, Washington, under the authority of a 1964 amendment of the Atomic Energy Community Act of 1955.

When a matter has been submitted to the Joint Committee for review as required by the statute, the committee, as a general rule, promptly schedules a hearing to consider the matter. On many occasions, in order to expedite matters, the committee has adopted a resolution waiving the waiting period, as authorized by the act.

JOINT COMMITTEE OPERATIONS

The operations of the Joint Committee are conducted through meetings and hearings of the committee and its designated subcommittees. Most sessions on executive business of the Joint Committee and hearings on a number of matters of primary importance are held by the full committee with the chairman presiding. All legislation and Joint Committee reports are considered and approved by the full committee.

To assist it in the discharge of its statutory duties, the Joint Committee has established six subcommittees charged with the responsibility of conducting detailed studies of the problems and progress in major areas of the atomic energy program, and of reporting their findings and recommendations to the full committee. The Joint Committee is kept fully apprised of the work of its subcommittees, and all members are invited and urged to take part in subcommittee meetings.

The Subcommittee on Legislation was established in 1955. This subcommittee holds hearings on the legislative proposals initiated by or referred to the committee during each session of the Congress. The findings of the subcommittee take the form of recommendations to the full committee which, in turn, has final responsibility for reporting legislation to the Congress.

The Subcommittee on Agreements for Cooperation was established during 1955 to facilitate the Joint Committee's execution of its responsibility under section 123 c. of the Atomic Energy Act. The subcommittee normally conducts hearings, either in executive or public sessions, on all agreements for cooperation submitted to the Joint Committee in accordance with section 123 c. and those submitted to the Congress and referred to the Joint Committee pursuant to

section 123 d. Activities of the subcommittee with respect to agreements for cooperation for mutual defense purposes are more fully discussed earlier in this section.

The Subcommittee on Communities was established in 1955 to review proposals, receive testimony, and make recommendations with respect to the establishment of local self-government at communities owned by the Atomic Energy Commission. In addition, it has reviewed and recommended legislation providing for the sale of federally owned properties at such communities. The recommendations of the subcommittee were incorporated into S. 2630 (H.R. 7576) which was enacted into law on August 4, 1955, and is cited as the Atomic Energy Community Act of 1955 (Public Law 221, 84th Cong.).

Pursuant to this legislation, the communities of Oak Ridge, Tenn., and Richland, Wash., have become incorporated, self-governing municipalities with full responsibility for all municipal functions. Legislation enacted in 1962 permitted the same opportunity for private ownership at Los Alamos, New Mexico.

The Subcommittee on National Security was established in 1975 to consolidate the duties of the former Subcommittee on Military Applications and the Subcommittee on Security (both of which were established in 1953). This subcommittee is responsible for reviewing all phases of the ERDA program as it relates to the military requirements for special nuclear materials and for the application of atomic energy in the interest of national defense and security. It also reviews ERDA's security program to evaluate its effectiveness in serving its dual purpose of promoting the common defense and security and advancing peacetime uses of atomic energy.

This subcommittee is also concerned with the policies and procedures of ERDA and other Government agencies with respect to their security and intelligence activities in the atomic energy field. As recommended by the subcommittee, the Joint Committee has followed a policy of seeking continuous reduction of the area of security classification in order to attain improved security in a smaller area where a demonstrable national interest makes security safeguards necessary.

The Subcommittee on ERDA, Environment and Safety was established in 1975 to review the activities and proposals of ERDA in the field of environment and safety. These activities include biomedical and environmental and safety research, operational safety, and waste management and transportation. The long-term treatment of radioactive waste is one of the major problems under the jurisdiction of the Subcommittee.

The Subcommittee on ERDA, Nuclear Energy was also established in 1975. This subcommittee is responsible for the reactor development programs of ERDA, including the cooperative power reactor demonstration projects, and for the nuclear materials production program. The development of naval reactors and space nuclear systems, and the production of radioisotopes, enriched uranium, and plutonium are among the programs the subcommittee keeps watch over. The programs for which this Committee is responsible are potential major contributors to the nation's energy supply.

In addition to the foregoing an ad hoc subcommittee composed of the ranking majority and minority committee members from each House has responsibility for confirming the appointment of persons proposed for professional employment on the committee staff.

REPORTING REQUIREMENTS

The Atomic Energy Act and the Energy Reorganization Act stipulate that ERDA and NRC shall keep the Joint Committee "fully and currently informed" of all their nuclear activities. In accordance with this provision, numerous reports on individual projects and studies are presented to the Joint Committee. This reporting may take the form of classified or unclassified documents, public information releases, or correspondence. Close daily liaison is maintained between the staffs of ERDA and NRC and the staff of the Joint Committee.

The agencies are also required to report directly to the Congress. Section 307 of the Energy Reorganization Act requires annual reports to Congress by ERDA and NRC on their activities. Section 208 of that Act also requires quarterly reports to Congress by NRC on abnormal occurrences at facilities licensed by NRC.

All material contained in these annual reports to Congress is of an unclassified nature.

As noted above, the Atomic Energy Act also requires the Department of Defense to keep the Joint Committee "fully and currently informed" of its activities in the atomic energy field; and all other agencies and departments of the Federal Government are required to comply with any request of the Joint Committee for information and records on matters affecting the atomic energy program.

CLASSIFICATION AND SECURITY

Conformance with necessary security regulations has necessitated certain precautionary measures by the Joint Committee. Section 11 y. of the Atomic Energy Act of 1954 defines "Restricted Data" as all data concerning—

(1) design, manufacture, or utilization of atomic weapons; (2) the production of special nuclear material; or (3) the use of special nuclear material in the production of energy, but shall not include data declassified or removed from the Restricted Data category pursuant to section 142.

The members of the Joint Committee have adhered strictly to the practice of recognizing the classification assigned to materials forwarded to them, and maintaining that classification until such time as it is downgraded or declassified by the responsible executive agency. They have carefully observed all security regulations with regard to restricted data. Speeches, articles, and reports are often reviewed for security reasons by agency classification experts at the request of the individual member.

In addition to classified progress reports which the Atomic Energy Commission submitted at regular intervals, the Joint Committee receives and itself originates many classified documents and reports on all phases of the program. It classifies information originating within the Joint Committee in accordance with standards used by the executive branch for classifying restricted data or defense information.

The Joint Committee maintains close liaison with the Department of Defense, the Central Intelligence Agency, the Federal Bureau of Investigation, the Departments of State and Justice, and the National Security Council.

The committee's classified documents, reports, memorandums, and correspondence are maintained in the committee's classified files

under an elaborate and carefully supervised security system. Every effort is made, through appropriate use of vaults, safes, soundproofing, electronic devices, exclusion area, FBI investigation of staff personnel, and the maintenance of an armed guard over the committee offices, to uphold standards of security vigilance at least as high as those of the executive branch.

OTHER COMMITTEE RESPONSIBILITIES AND ACTIVITIES

Under the provisions of the Atomic Energy Act, the Joint Committee is empowered to appoint a staff and employ such experts, consultants, technicians, and other personnel as may be required to assist it in the discharge of its statutory responsibilities. The Joint Committee is also empowered by law to utilize the services, information, facilities, and personnel of the departments and establishments of the Government in the discharge of committee duties.

The obligation on ERDA, NRC, and the Defense Department to keep the Joint Committee fully and currently informed helps assure a continuing flow of information necessary to the proper discharge of committee responsibilities. In addition to this type of information, however, the members of the Joint Committee and of the staff make frequent visits to laboratories, operating sites, and other atomic energy installations in the United States and abroad. Staff members check directly on many items reported by ERDA, NRC, and other agencies in order to obtain clarification or additional information. The Joint Committee also initiates special investigations and studies on its own.

In view of the increasing international aspects of atomic energy, members and staff of the Joint Committee have participated as official congressional advisers and observers to U.S. delegations at various international conferences, including the Geneva Conferences on the Peaceful Uses of Atomic Energy in 1955, 1958, and 1964, and the General Conferences of the International Atomic Energy Agency in 1957-61 and 1963-71. In addition, members and staff have made a number of tours of foreign atomic energy installations.

The committee staff consists of approximately 20 employees, under the direction of an executive director. Due to the diverse subject matter encountered in the field of atomic energy and the highly technical nature of the problems, the staff does not adhere to a rigidly functional breakdown within its organization. The staff is, however, loosely organized into three groups, one responsible for military matters, another for civil matters, and a legal staff. Professional staff members are called upon daily to work with a wide variety of problems covering the entire atomic energy program, including production of fissionable materials, research and development, reactor development, weapons, and community activities. The staff's responsibility covers financial, administrative, technical, and legal aspects of these subjects. In addition the staff serves the committee members on individual assignments as requested.

III. SERVICE OF CURRENT MEMBERSHIP OF THE JOINT COMMITTEE

SENATE MEMBERS (IN ALPHABETICAL ORDER)

- BAKER, HOWARD H., JR.**, Tennessee:
Appointed February 10, 1971.
Subcommittee membership:
Agreements for Cooperation, 1971-72.
Communities, 1971-76.
Military Applications, 1971-74.
Research, Development, and Radiation, 1971-72.
Security, 1973-74.
Energy, 1973-74.
Licensing and Regulation, 1973-74.
ERDA, Environment and Safety, 1975-76.
ERDA, Nuclear Energy, 1975-76.
National Security, 1975-76.
- BUCKLEY, JAMES L.**, New York:
Appointed, January 17, 1975.
Subcommittee membership:
Communities, 1975-76.
ERDA, Environment and Safety, 1975-76.
National Security, 1975-76.
- CASE, CLIFFORD P.**, New Jersey:
Appointed, January 17, 1975.
Subcommittee Membership:
Agreements for Cooperation, 1975-76.
ERDA, Environment and Safety, 1975-76.
ERDA, Nuclear Energy, 1975-76.
National Security, 1975-76.
- JACKSON, HENRY M.**, Washington:
House membership:
Appointed, January 27, 1949.
Member of Subcommittee on Reactor Development, 1950-52.¹
Elected to U.S. Senate, Nov., 1952.
Senate membership:
Appointed, January 14, 1955.
Subcommittee membership:
Security, 1955-74.
Communities, 1955-76.
Military Applications, 1955-72.
Chairman, 1955-72.
Legislation, 1961-76.
Research, Development, and Radiation, 1961-74.
Energy, 1973-74.
Chairman, 1973-74.
ERDA, Nuclear Energy, 1975-76.
Chairman, 1975-76.
National Security, 1975-76.
- MONTOYA, JOSEPH M.**, New Mexico:
Appointed January 4, 1973.
Subcommittee membership:
Agreements for Cooperation, 1973-76.
Chairman, 1973-74.
Military Applications, 1973-74.
Raw Materials, 1973-74.
Research, Development, and Radiation, 1973-74.
Energy, 1973-74.
ERDA, Nuclear Energy, 1975-76.
- Legislation, 1975-76.
Chairman, 1975-76.
National Security, 1975-76.
- PASTORE, JOHN O.**, Rhode Island:
Appointed, August 8, 1952, to fill vacancy caused by death of Senator Brien McMahon and served through 1952. With the election of a Republican Congress in 1952, Senate Democratic membership was reduced from five to four.
Reappointed, June 3, 1953.
Chairman, 88th Congress (1963-64), 90th Congress (1967-68), 92nd Congress (1971-72), 94th Congress, (1975-76).
Vice Chairman, 87th Congress (1961-62), 89th Congress (1965-66), 91st Congress (1969-70), 93d Congress, (1973-74).
Subcommittee membership:
Research, Development, and Radiation and its predecessor (Research and Development) 1954-74.
Agreements for Cooperation, 1955-60: 1973-74.
Chairman, 1955-60.
Security, 1953, 73-74.
Chairman, 1973-74.
Military Applications, 1953-72.
Legislation, 1961-74.
Chairman, 1961-62, 1965-66, 1969-70.
Special Subcommittee on Radiation, 1957-60.
Energy, 1973-74.
Licensing and Regulation, 1973-74.
- PEARSON, JAMES B.**, Kansas
Appointed, January 17, 1975
Subcommittee membership:
Agreements for Cooperation, 1975-76.
ERDA, Nuclear Energy, 1975-76.
Legislation, 1975-76.
- SYMINGTON, STUART**, Missouri
Appointed, January 28, 1971
Subcommittee membership:
Military Applications, 1971-74.
Chairman, 1973-74.
Security, 1973-74.
Energy, 1973-74.
ERDA, Nuclear Energy, 1975-76.
National Security, 1975-76.
Chairman, 1975-76.
- TUNNEY, JOHN V.**, California
Appointed, January 17, 1975
Subcommittee membership:
Agreements for Cooperation, 1975-76.
ERDA, Environment and Safety, 1975-76.
ERDA, Nuclear Energy, 1975-76.
National Security, 1975-76.

¹ The Subcommittee on Reactor Development was established in 1956. In January 1954 the subcommittee was enlarged and redesignated as the Subcommittee on Research and Development. In 1961 the Subcommittee on Research and Development was consolidated with the Special Subcommittee on Radiation and redesignated the Subcommittee on Research, Development, and Radiation. In 1975, this subcommittee was eliminated and its major responsibilities assigned to a new Subcommittee on ERDA, Nuclear Energy.

HOUSE MEMBERS (IN ALPHABETICAL ORDER)

- ANDERSON, JOHN B.**, Illinois
Appointed January 31, 1963.
Subcommittee membership:
Communities, 1963-64.
Legislation, 1963-76.
Research, Development, and Radiation, 1963-70.
Agreements for Cooperation, 1965-69, 1971-76.
Military Applications, 1969-74.
Licensing and Regulation, 1973-74.
ERDA, Environment and Safety, 1975-76.
ERDA, Nuclear Energy, 1975-76.
- HINSHAW, ANDREW J.**, California:
Appointed, January 29, 1975.
Subcommittee membership:
ERDA, Nuclear Energy, 1975-76.
National Security, 1975-76.
- HORTON, FRANK**, New York:
Appointed, January 29, 1975.
Subcommittee membership:
Agreements for Cooperation, 1975-76.
Legislation, 1975-76.
National Security, 1975-76.
- LUJAN, MANUEL, Jr.**, New Mexico:
Appointed, January 26, 1973.
Subcommittee membership:
Communities, 1973-76.
Raw Materials, 1973-74.
Security, 1973-74.
Energy, 1973-74.
ERDA, Nuclear Energy, 1975-76.
National Security, 1975-76.
- MCCORMACK, MIKE**, Washington:
Appointed, January 26, 1973.
Subcommittee membership:
Legislation, 1973-74.
Research, Development, and Radiation, 1973-74.
Energy, 1973-74.
ERDA, Environment and Safety, 1975-76.
Chairman, 1975-76.
ERDA, Nuclear Energy, 1975-76.
Legislation, 1975-76.
- MOSS, JOHN E.**, California:
Appointed, December 13, 1974.
Subcommittee membership:
ERDA, Nuclear Energy, 1975-76.
National Security, 1975-76.
- PRICE, MELVIN**, Illinois:
Appointed, August 2, 1946.¹
Vice Chairman, 92d Congress (1971-72), 94th Congress, (1975-76)
Chairman, 93d Congress, 1973-74;
Subcommittee membership:
Research, Development & Radiation and its predecessor subcommittees, Reactor Development (1950-53), Research and Development (1954-60), and Special Subcommittee on Radiation (1957-60), 1950-74.
Chairman, 1955-74.
Agreements for Cooperation, 1955-74.
Legislation, 1971-74.
Chairman, 1971-74.
Energy, 1973-74.
Licensing and Regulation, 1973-74.
- RONCALIO, TENO**, Wyoming:
Appointed, January 26, 1973.
Subcommittee membership:
Communities, 1973-74.
Military Applications, 1973-74.
Raw Materials, 1973-74.
Licensing and Regulation, 1973-74.
Agreements for Cooperation, 1975-76.
Chairman, 1975-76.
ERDA, Nuclear Energy, 1975-76.
National Security, 1975-76.
- YOUNG, JOHN**, Texas:
Appointed March 1, 1966.
Subcommittee membership:
Communities, 1966-76.
Chairman, 1969-76.
Raw Materials, 1966-74.
Security, 1966-74.
Energy, 1973-74.
ERDA, Nuclear Energy, 1975-76.
National Security, 1975-76.

¹ Mr. Price was a member of the House Military Affairs Committee which considered the original proposed atomic energy legislation, enacted as the Atomic Energy Act of 1946, 1945-46.

IV. MEMBERSHIP OF THE JOINT COMMITTEE, 1945-76

SENATE SPECIAL COMMITTEE ON ATOMIC ENERGY

SEVENTY-NINTH CONGRESS (1945-46)

BRIEN McMAHON, Connecticut, *Chairman*

RICHARD B. RUSSELL, Georgia
EDWIN C. JOHNSON, Colorado
TOM CONNALLY, Texas
HARRY FLOOD BYRD, Virginia
MILLARD E. TYDINGS, Maryland

ARTHUR H. VANDENBERG, Michigan
WARREN R. AUSTIN, Vermont
EUGENE D. MILLIKIN, Colorado
BOURKE B. HICKENLOOPER, Iowa
THOMAS C. HART, Connecticut

HOUSE COMMITTEE ON MILITARY AFFAIRS

SEVENTY-NINTH CONGRESS (1945-46)

ANDREW J. MAY, Kentucky, *Chairman*

R. EWING THOMASON, Texas
OVERTON BROOKS, Louisiana
JOHN J. SPARKMAN, Alabama
PAUL J. KILDAY, Texas
CARL T. DURHAM, North Carolina
JOHN EDWARD SHERIDAN, Pennsylvania
ROBERT L. F. SIKES, Florida
PHILIP J. PHILBIN, Massachusetts
PAUL STEWART, Oklahoma
ARTHUR WINSTEAD, Mississippi
CHET HOLIFIELD, California
JAMES A. ROE, New York
MELVIN PRICE, Illinois
J. LINDSAY ALMOND, Virginia

WALTER G. ANDREWS, New York
DEWEY SHORT, Missouri
LESLIE C. ARENDS, Illinois
CHARLES E. CLASON, Massachusetts
J. PARNELL THOMAS, New Jersey
PAUL W. SHAFER, Michigan
THOMAS E. MARTIN, Iowa
CHARLES H. ELSTON, Ohio
FOREST A. HARNESS, Indiana
IVOR D. FENTON, Pennsylvania
J. LEROY JOHNSON, California
CLARE BOOTHIE LUCE, Connecticut

JOSEPH R. FARRINGTON, Hawaii
E. L. BARTLETT, Alaska
JESUS PINERO, Puerto Rico

JOINT COMMITTEE ON ATOMIC ENERGY

SEVENTY-NINTH CONGRESS (1946)

BRIEN McMAHON, Connecticut, *Chairman*

R. EWING THOMASON, Texas, *Vice Chairman*

RICHARD B. RUSSELL, Georgia
EDWIN C. JOHNSON, Colorado
TOM CONNALLY, Texas
HARRY FLOOD BYRD, Virginia
ARTHUR VANDENBERG, Michigan
EUGENE D. MILLIKIN, Colorado
BOURKE B. HICKENLOOPER, Iowa
WILLIAM F. KNOWLAND, California

CARL T. DURHAM, North Carolina
AIME FORAND, Rhode Island
CHET HOLIFIELD, California
MELVIN PRICE, Illinois
CHARLES H. ELSTON, Ohio
J. PARNELL THOMAS, New Jersey
CARL HINSHAW, California
CLARE BOOTHIE LUCE, Connecticut

NOTE.—The Atomic Energy Act of 1946 was approved August 1, 1946. The Members were appointed on August 2, 1946, met and organized, but transacted no other business during the 79th Congress.

EIGHTIETH CONGRESS (1947-48)

BOURKE B. HICKENLOOPER, Iowa, *Chairman*
W. STERLING COLE, New York, *Vice Chairman*

ARTHUR H. VANDENBERG, Michigan	CHARLES H. ELSTON, Ohio
EUGENE D. MILLIKIN, Colorado	CARL HINSHAW, California
WILLIAM F. KNOWLAND, California	JAMES E. VAN ZANDT, Pennsylvania
JOHN W. BRICKER, Ohio	JAMES T. PATTERSON, Connecticut
BRIEN McMAHON, Connecticut	CARL T. DURHAM, North Carolina
RICHARD B. RUSSELL, Georgia	CHET HOLIFIELD, California
EDWIN C. JOHNSON, Colorado	MELVIN PRICE, Illinois
TOM CONNALLY, Texas	LYNDON B. JOHNSON, Texas

NOTE.—Lyndon B. Johnson was appointed Nov. 17, 1947, to fill vacancy created by the resignation from Congress of R. Ewing Thomason, on July 22, 1947. Lyndon B. Johnson was elected to U.S. Senate for term commencing Jan. 3, 1949.

EIGHTY-FIRST CONGRESS (1949-50)

BRIEN McMAHON, Connecticut, *Chairman*
CARL T. DURHAM, North Carolina, *Vice Chairman*

RICHARD B. RUSSELL, Georgia	CHET HOLIFIELD, California
EDWIN C. JOHNSON, Colorado	MELVIN PRICE, Illinois
TOM CONNALLY, Texas	PAUL J. KILDAY, Texas
MILLARD E. TYDINGS, Maryland	HENRY M. JACKSON, Washington
BOURKE B. HICKENLOOPER, Iowa	W. STERLING COLE, New York
EUGENE D. MILLIKIN, Colorado	CHARLES H. ELSTON, Ohio
WILLIAM F. KNOWLAND, California	CARL HINSHAW, California
JOHN W. BRICKER, Ohio	JAMES E. VAN ZANDT, Pennsylvania

NOTE.—John W. Bricker was appointed on Jan. 26, 1950, to fill vacancy created by the resignation of Arthur H. Vandenberg, on Jan. 26, 1950, as a member of the Joint Committee.

EIGHTY-SECOND CONGRESS (1951-52)

BRIEN McMAHON, Connecticut, *Chairman*
CARL T. DURHAM, North Carolina, *Vice Chairman*

RICHARD B. RUSSELL, Georgia	CHET HOLIFIELD, California
EDWIN C. JOHNSON, Colorado	MELVIN PRICE, Illinois
LYNDON B. JOHNSON, Texas	PAUL J. KILDAY, Texas
CLINTON P. ANDERSON, New Mexico	HENRY M. JACKSON, Washington
BOURKE B. HICKENLOOPER, Iowa	W. STERLING COLE, New York
EUGENE D. MILLIKIN, Colorado	CHARLES H. ELSTON, Ohio
WILLIAM F. KNOWLAND, California	CARL HINSHAW, California
JOHN W. BRICKER, Ohio	JAMES E. VAN ZANDT, Pennsylvania

NOTE.—Tom Connally resigned from the Joint Committee effective July 5, 1952. Lyndon B. Johnson, of Texas, was appointed a member of the committee the same day. Carl T. Durham was chairman from Aug. 4, 1952. John O. Pastore was appointed Aug. 8, 1952, to fill the vacancy created by the death of Brien McMahon on July 28, 1952. Henry M. Jackson was elected to U.S. Senate for term commencing Jan. 3, 1953.

EIGHTY-THIRD CONGRESS (1953-54)

W. STERLING COLE, New York, *Chairman*
BOURKE B. HICKENLOOPER, Iowa, *Vice Chairman*

CARL HINSHAW, California	EUGENE D. MILLIKIN, Colorado
JAMES E. VAN ZANDT, Pennsylvania	WILLIAM F. KNOWLAND, California
JAMES T. PATTERSON, Connecticut	JOHN W. BRICKER, Ohio
THOMAS A. JENKINS, Ohio	GUY R. CORDON, Oregon
CARL T. DURHAM, North Carolina	RICHARD B. RUSSELL, Georgia
CHET HOLIFIELD, California	CLINTON P. ANDERSON, New Mexico
MELVIN PRICE, Illinois	JOHN O. PASTORE, Rhode Island
PAUL J. KILDAY, Texas	ALBERT GORE, Tennessee

NOTE.—John O. Pastore was appointed on June 3, 1953, to fill vacancy created by resignation of Lyndon B. Johnson as member of the Joint Committee. Edwin C. Johnson resigned as a member of the committee effective Nov. 8, 1954. Albert Gore was appointed the same date.

EIGHTY-FOURTH CONGRESS (1955-56)

CLINTON P. ANDERSON, New Mexico, *Chairman*
 CARL T. DURHAM, North Carolina, *Vice Chairman*

RICHARD B. RUSSELL, Georgia
 JOHN O. PASTORE, Rhode Island
 ALBERT GORE, Tennessee
 HENRY M. JACKSON, Washington
 BOURKE B. HICKENLOOPER, Iowa
 EUGENE D. MILLIKIN, Colorado
 WILLIAM F. KNOWLAND, California
 JOHN W. BRICKER, Ohio

CHET HOLIFIELD, California
 MELVIN PRICE, Illinois
 PAUL J. KILDAY, Texas
 JOHN J. DEMPSEY, New Mexico
 STERLING COLE, New York
 CARL HINSHAW, California¹
 JAMES E. VAN ZANDT, Pennsylvania
 JAMES T. PATTERSON, Connecticut

EIGHTY-FIFTH CONGRESS (1957-58)

CARL T. DURHAM, North Carolina, *Chairman*
 CLINTON P. ANDERSON, New Mexico, *Vice Chairman*

CHET HOLIFIELD, California
 MELVIN PRICE, Illinois
 PAUL J. KILDAY, Texas
 WAYNE N. ASPINALL, Colorado
 JAMES E. VAN ZANDT, Pennsylvania
 JAMES T. PATTERSON, Connecticut
 THOMAS A. JENKINS, Ohio
 CRAIG HOSMER, California

RICHARD B. RUSSELL, Georgia
 JOHN O. PASTORE, Rhode Island
 ALBERT GORE, Tennessee
 HENRY M. JACKSON, Washington
 BOURKE B. HICKENLOOPER, Iowa
 WILLIAM F. KNOWLAND, California
 JOHN W. BRICKER, Ohio
 HENRY DWORSHAK, Idaho

NOTE.—Craig Hosmer was appointed Jan. 15, 1958, to fill vacancy created by resignation of Sterling Cole on Dec. 1, 1957, as a Member of Congress to accept position as Director General of the International Atomic Energy Agency. Wayne N. Aspinall was appointed Mar. 17, 1958, to fill vacancy created by the death of John J. Dempsey, on Mar. 11, 1958.

EIGHTY-SIXTH CONGRESS (1959-60)

CLINTON P. ANDERSON, New Mexico, *Chairman*
 CARL T. DURHAM, North Carolina, *Vice Chairman*

RICHARD B. RUSSELL, Georgia
 JOHN O. PASTORE, Rhode Island
 ALBERT GORE, Tennessee
 HENRY M. JACKSON, Washington
 BOURKE B. HICKENLOOPER, Iowa
 HENRY DWORSHAK, Idaho
 GEORGE D. AIKEN, Vermont
 WALLACE F. BENNETT, Utah

CHET HOLIFIELD, California
 MELVIN PRICE, Illinois
 WAYNE N. ASPINALL, Colorado
 ALBERT THOMAS, Texas
 JAMES E. VAN ZANDT, Pennsylvania
 CRAIG HOSMER, California
 WILLIAM H. BATES, Massachusetts
 JACK WESTLAND, Washington

NOTE.—Albert Thomas was appointed to the Committee Feb. 16, 1959, to fill the vacancy created by the resignation, dated Jan. 21, 1959, of Paul J. Kilday.

EIGHTY-SEVENTH CONGRESS (1961-62)

CHET HOLIFIELD, California, *Chairman*
 JOHN O. PASTORE, Rhode Island, *Vice Chairman*

MELVIN PRICE, Illinois
 WAYNE N. ASPINALL, Colorado
 ALBERT THOMAS, Texas
 THOMAS G. MORRIS, New Mexico
 JAMES E. VAN ZANDT, Pennsylvania
 CRAIG HOSMER, California
 WILLIAM H. BATES, Massachusetts
 JACK WESTLAND, Washington

RICHARD B. RUSSELL, Georgia
 CLINTON P. ANDERSON, New Mexico
 ALBERT GORE, Tennessee
 HENRY M. JACKSON, Washington
 BOURKE B. HICKENLOOPER, Iowa
 HENRY DWORSHAK, Idaho²
 GEORGE D. AIKEN, Vermont
 WALLACE F. BENNETT, Utah

NOTE.—Everett McKinley Dirksen was appointed on July 31, 1962, to fill the vacancy created by the death of Henry Dworshak on July 23, 1962.

¹ Deceased Aug. 5, 1957.

² Deceased July 23, 1962.

EIGHTY-EIGHTH CONGRESS (1963-64)

JOHN O. PASTORE, Rhode Island, *Chairman*CHET HOLIFIELD, California, *Vice Chairman*

RICHARD B. RUSSELL, Georgia
 CLINTON P. ANDERSON, New Mexico
 ALBERT GORE, Tennessee
 HENRY M. JACKSON, Washington
 BOURKE B. HICKENLOOPER, Iowa
 GEORGE D. AIKEN, Vermont
 WALLACE F. BENNETT, Utah
 CARL T. CURTIS, Nebraska

MELVIN PRICE, Illinois
 WAYNE N. ASPINALL, Colorado
 ALBERT THOMAS, Texas
 THOMAS G. MORRIS, New Mexico
 CRAIG HOSMER, California
 WILLIAM H. BATES, Massachusetts
 JACK WESTLAND, Washington
 JOHN B. ANDERSON, Illinois

NOTE.—Carl T. Curtis was appointed on Feb. 11, 1963, to fill the vacancy created by the resignation of Everett McKinley Dirksen as a member of the Joint Committee on the same date.

EIGHTY-NINTH CONGRESS (1965-66)

CHET HOLIFIELD, California, *Chairman*JOHN O. PASTORE, Rhode Island, *Vice Chairman*

MELVIN PRICE, Illinois
 WAYNE N. ASPINALL, Colorado
 ALBERT THOMAS, Texas¹
 THOMAS G. MORRIS, New Mexico
 CRAIG HOSMER, California
 WILLIAM H. BATES, Massachusetts
 JOHN B. ANDERSON, Illinois
 WILLIAM M. McCULLOCH, Ohio

RICHARD B. RUSSELL, Georgia
 CLINTON P. ANDERSON, New Mexico
 ALBERT GORE, Tennessee
 HENRY M. JACKSON, Washington
 BOURKE B. HICKENLOOPER, Iowa
 GEORGE D. AIKEN, Vermont
 WALLACE F. BENNETT, Utah
 CARL T. CURTIS, Nebraska

NOTE.—John Young was appointed Mar. 1, 1966, to fill the vacancy created by the death of Albert Thomas on Feb. 15, 1966.

NINETIETH CONGRESS (1967-68)

JOHN O. PASTORE, Rhode Island, *Chairman*CHET HOLIFIELD, California, *Vice Chairman*

RICHARD B. RUSSELL, Georgia
 CLINTON P. ANDERSON, New Mexico
 ALBERT GORE, Tennessee
 HENRY M. JACKSON, Washington
 BOURKE B. HICKENLOOPER, Iowa
 GEORGE D. AIKEN, Vermont
 WALLACE F. BENNETT, Utah
 CARL T. CURTIS, Nebraska

MELVIN PRICE, Illinois
 WAYNE N. ASPINALL, Colorado
 THOMAS G. MORRIS, New Mexico
 JOHN YOUNG, Texas
 CRAIG HOSMER, California
 WILLIAM H. BATES, Massachusetts
 JOHN B. ANDERSON, Illinois
 WILLIAM M. McCULLOCH, Ohio

NINETY-FIRST CONGRESS (1969-70)

CHET HOLIFIELD, California, *Chairman*JOHN O. PASTORE, Rhode Island, *Vice Chairman*

MELVIN PRICE, Illinois
 WAYNE N. ASPINALL, Colorado
 JOHN YOUNG, Texas
 ED EDMONDSON, Oklahoma
 CRAIG HOSMER, California
 JOHN B. ANDERSON, Illinois
 WILLIAM M. McCULLOCH, Ohio
 CATHERINE MAY, Washington

RICHARD B. RUSSELL, Georgia
 CLINTON P. ANDERSON, New Mexico
 ALBERT GORE, Tennessee
 HENRY M. JACKSON, Washington
 GEORGE D. AIKEN, Vermont
 WALLACE F. BENNETT, Utah
 CARL T. CURTIS, Nebraska
 NORRIS COTTON, New Hampshire

NOTE.—Norris Cotton was appointed Jan. 23, 1969, to fill the vacancy created by the retirement of Bourke B. Hickenlooper. Catherine May was appointed July 24, 1969, to fill the vacancy created by the death of William H. Bates on June 22, 1969.

¹ Deceased February 15, 1966.

NINETY-SECOND CONGRESS (1971-72)

JOHN O. PASTORE, Rhode Island, *Chairman*
MELVIN PRICE, Illinois, *Vice Chairman*

CLINTON P. ANDERSON, New Mexico
HENRY M. JACKSON, Washington
STUART SYMINGTON, Missouri
ALAN BIBLE, Nevada
GEORGE D. AIKEN, Vermont
WALLACE F. BENNETT, Utah
PETER H. DOMINICK, Colorado
HOWARD H. BAKER, Jr., Tennessee

CHET HOLIFIELD, California
WAYNE N. ASPINALL, Colorado
JOHN YOUNG, Texas
ED EDMONDSON, Oklahoma
CRAIG HOSMER, California
JOHN B. ANDERSON, Illinois
WILLIAM M. McCULLOCH, Ohio
ORVAL HANSEN, Idaho

NOTE.—Stuart Symington was appointed on Jan. 28, 1971, to fill the vacancy created by the death of Richard B. Russell on Jan. 21, 1971. Peter H. Dominick was appointed on Feb. 10, 1971, to fill the vacancy created by the resignation of Carl T. Curtis on Feb. 4, 1971. Howard H. Baker, Jr., was appointed on Feb. 10, 1971, to fill the vacancy created by the resignation of Norris Cotton on Feb. 10, 1971.

NINETY-THIRD CONGRESS (1973-74)

MELVIN PRICE, Illinois, *Chairman*
JOHN O. PASTORE, Rhode Island, *Vice Chairman*

CHET HOLIFIELD, California
JOHN YOUNG, Texas
TENÓ RONCALIO, Wyoming
MIKE McCORMACK, Washington
CRAIG HOSMER, California
JOHN B. ANDERSON, Illinois
ORVAL HANSEN, Idaho
MANUEL LUJAN, Jr., New Mexico

HENRY M. JACKSON, Washington
STUART SYMINGTON, Missouri
ALAN BIBLE, Nevada
JOSEPH M. MONTOYA, New Mexico
GEORGE D. AIKEN, Vermont
WALLACE F. BENNETT, Utah
PETER H. DOMINICK, Colorado
HOWARD H. BAKER, Jr., Tennessee

NOTE.—John E. Moss was appointed on Dec. 13, 1974, to fill the vacancy created by the resignation of Chet Holifield on Dec. 13, 1974. Alan Bible resigned from Congress on Dec. 17, 1974.

NINETY-FOURTH CONGRESS (1975-76)

JOHN O. PASTORE, Rhode Island, *Chairman*
MELVIN PRICE, Illinois, *Vice Chairman*

HENRY M. JACKSON, Washington
STUART SYMINGTON, Missouri
JOSEPH M. MONTOYA, New Mexico
JOHN V. TUNNEY, California
HOWARD H. BAKER, Jr., Tennessee
CLIFFORD P. CASE, New Jersey
JAMES B. PEARSON, Kansas
JAMES L. BUCKLEY, New York

JOHN YOUNG, Texas
TENÓ RONCALIO, Wyoming
MIKE McCORMACK, Washington
JOHN E. MOSS, California
JOHN B. ANDERSON, Illinois
MANUEL LUJAN, Jr., New Mexico
FRANK HORTON, New York
ANDREW J. HINSHAW, California

V. ASSIGNMENT OF JOINT COMMITTEE MEMBERS TO OTHER COMMITTEES OF CONGRESS

SENATE (IN ALPHABETICAL ORDER)

SENATOR HOWARD H. BAKER, Jr.

Commerce—Subcommittees:

- Aviation.
- Communications.
- Consumer.
- Environment.
- Foreign Commerce and Tourism.
- Surface Transportation.

Public Works (Ex officio member of all subcommittees).

Select Committee on Intelligence Activities.

SENATOR JAMES L. BUCKLEY

Budget (No subcommittees).

Commerce—Subcommittees:

- Consumer.
- Environment.
- Foreign Commerce and Tourism.
- Oceans and Atmosphere.
- Special Subcommittee to Study Transportation on the Great Lakes—St. Lawrence Seaway.
- Surface Transportation.

Public Works—Subcommittees:

- Buildings and Grounds.
- Disaster Relief.
- Environmental Pollution.
- Panel on Environmental Science and Technology.
- Transportation.
- Water Resources.

SENATOR CLIFFORD P. CASE

Appropriations—Subcommittees:

- Defense.
- Housing and Urban Development; Independent Agencies.
- Labor; Health, Education, and Welfare.
- Public Works.
- Transportation and Related Agencies.

Commerce Committee Study on Uses of the Sea.

Foreign Relations—Subcommittees:

- Arms Control, International Organizations, and Security Agreements.
- European Affairs.
- Foreign Assistance.
- Multinational Corporations.

Special Committee on National Emergencies and Delegated Emergency Powers.

Technology Assessment Board (Vice Chairman).

SENATOR HENRY M. JACKSON

Appropriations (ex officio member Defense Appropriations Subcommittee).

Armed Services—Subcommittees:

- Arms Control (chairman).
- Preparedness Investigating.
- Military Construction Authorization.
- Tactical Air Power.

Government Operations—Subcommittees:

- Oversight Procedures.
- Permanent Investigations (chairman).

Interior and Insular Affairs (chairman)—Subcommittees: All.¹

¹ Interior: Energy Research and Water Resources; Environment and Land Resources; Indian Affairs, Minerals, Materials and Fuels; Parks and Recreation; Special Subcommittee on Legislative Oversight (chairman); Fuels and Energy Study (chairman).

SENATOR JOSEPH M. MONTOYA

Appropriations—Subcommittees:

Defense.
 Interior.
 Labor; Health, Education, and Welfare.
 Public Works.
 Treasury, U.S. Postal Service, and General Government (chairman).

Democratic Steering Committee.

Public Works—Subcommittees:

Economic Development (chairman).
 Environmental Pollution.
 Transportation.

SENATOR JOHN O. PASTORE

Appropriations—Subcommittees:

Defense.
 Housing and Urban Development; Independent Agencies.
 Public Works.
 State, Justice, Commerce, the Judiciary (chairman).
 Transportation.

Commerce—Subcommittees:

Communications (chairman).
 Consumer.
 Environment.
 Merchant Marine.
 Oceans and Atmosphere.
 Special Subcommittee To Study Textile Industry (chairman).

Democratic Policy Committee.

SENATOR JAMES B. PEARSON

Commerce—Subcommittees:

Aviation.
 Environment.
 Special Subcommittee on Freight Car Shortages.

Foreign Relations—Subcommittees:

African Affairs.
 European Affairs.
 Near Eastern and South Asian Affairs.

Special Committee on National Emergencies and Delegated Emergency Powers.

SENATOR STUART SYMINGTON

Aeronautical and Space Sciences (no subcommittees).

Appropriations (ex officio member with vote on subcommittees and full Committee on Defense, Military Construction, Space, and Atomic Energy Activities.)

Armed Services—Subcommittees:

Arms Control.
 Intelligence.
 Military Construction Authorization (chairman).
 National Stockpile and Naval Petroleum Reserves.
 Preparedness Investigating.
 Tactical Air Power.

Democratic Policy Committee.

Democratic Steering Committee.

Foreign Relations—Subcommittees:

Arms Control, International Organizations, and Security Agreements (chairman).
 European Affairs.
 Multinational Corporations.
 Western Hemisphere Affairs.

SENATOR JOHN V. TUNNEY

Commerce—Subcommittees:

- Aviation.
- Consumer.
- Environment.
- Merchant Marine.
- Oceans and Atmosphere.
- Special Subcommittee on Science, Technology, and Commerce.

Judiciary—Subcommittees:

- Administrative Practice and Procedure.
- Antitrust and Monopoly.
- Constitutional Rights (chairman).

Special Committee on Aging—Subcommittees:

- Consumer Interests of the Elderly.
- Employment and Retirement Incomes.
- Federal, State, and Community Services.
- Health of the Elderly.
- Housing for the Elderly.
- Long-Term Care.

HOUSE OF REPRESENTATIVES (IN ALPHABETICAL ORDER)

MR. JOHN B. ANDERSON

Republican Conference (chairman).

Rules.

MR. ANDREW J. HINSHAW

Armed Services—Subcommittees:

- Military Installations and Facilities.
- Research and Development.

Post Office and Civil Service—Subcommittees:

- Census and Population.
- Postal Facilities, Mail, and Labor Management.

MR. FRANK HORTON

Government Operations—Subcommittees:

- Legislation and National Security.

MR. MANUEL LUJAN, Jr.

Interior and Insular Affairs—Subcommittees:

- Energy and The Environment.
- Water and Power Resources.

MR. MIKE McCORMACK

Public Works and Transportation—Subcommittees:

- Economic Development.
- Surface Transportation.
- Water Resources.

Science and Technology—Subcommittees:

- Energy Research, Development and Demonstration (chairman).
- Energy Research, Development and Demonstration (Fossil Fuels).
- Environment and the Atmosphere
- Science, Research and Technology.

MR. JOHN E. MOSS

Government Operations—Subcommittees:

- Government Information and Individual Rights.
- Legislation and National Security.

Interstate and Foreign Commerce—Subcommittees:

- Oversight and Investigations (chairman).

MR. MELVIN PRICE

Armed Services (chairman)—Subcommittees:
 Military Compensation.
 Research and Development (chairman).
 Special Subcommittee on Intelligence.
 Democratic Steering and Policy Committee.
 Standards of Official Conduct.

MR. TENO RONCALIO

Interior and Insular Affairs—Subcommittees:
 Energy & the Environment.
 National Parks and Recreation.
 Water and Power Resources.
 Public Works—Subcommittees:
 Aviation.
 Investigations and Review.
 Public Buildings and Grounds (chairman).

MR. JOHN YOUNG

Rules.

VI. MEMBERSHIP OF THE ATOMIC ENERGY COMMISSION, NUCLEAR REGULATORY COMMISSION, AND ENERGY RESEARCH AND DEVELOPMENT ADMINISTRATION, 1946-76

ATOMIC ENERGY COMMISSION, 1946-75

[Dates of taking first oath of office]

1946	Lillenthal, Chm. Nov. 1, 1946	Bacher Nov. 1, 1946	Pike Oct. 31, 1946	Strauss Nov. 12, 1946	Waymack Nov. 5, 1946
1949		Smyth May 30, 1949			Dean May 24, 1949
1950	Murray May 9, 1950			Gleinan Oct. 2, 1950	Dean, Chm. from Aug. 11, 1950
1952			Zuckert Feb. 25, 1952		
1953				Campbell July 27, 1953	Strauss, Chm. July 2, 1953
1954		Libby Oct. 5, 1954			
1955			Von Neumann Mar. 15, 1955	Vance Oct. 3, 1955	
1957	Floberg Oct. 1, 1957		Graham Sept. 12, 1957		
1958					McCone, Chm. July 14, 1958
1959		Williams Aug. 13, 1959			
1960	Olson June 23, 1960			Wilson Mar. 22, 1960	
1961		Haworth Apr. 17, 1961			Seaborg, Chm. Mar. 1, 1961
1962	Palfrey Aug. 31, 1962		Ramey Aug. 31, 1962		
1963		Tape July 15, 1963			
1964				Bunting June 29, 1964	
1965					
1966	Johnson Aug. 1, 1966			Nabrit Aug. 1, 1966	
1967					
1968			Costagliola Oct. 1, 1968	Seaborg, Chm. July 1, 1968	Ramey ¹ July 18, 1968
1969		Thompson ² June 12, 1969	Larson ³ Sept. 2, 1969		
1970		(⁵)		July 1, 1970 ⁴	
1971		Doub Aug. 17, 1971		Schlesinger, Chm. ⁶ Aug. 17, 1971	
1972	Ray ⁷ Aug. 8, 1972				
1973	Ray, Chm. from Feb. 6, 1973			Kriegsman ⁸ June 12, 1973	Anders Aug. 6, 1973
1974			(⁹)		
1975	(¹²)	(¹⁰)		(¹¹)	(¹²)

¹ On July 18, 1968, James T. Ramey vacated the term ending June 30, 1969, and began the 5-year term ending June 30, 1973.

² On June 12, 1969, Theos J. Thompson took the oath of office to fill the remainder of the term ending June 30, 1971, vacated by Gerald F. Tape on April 30, 1969.

³ On Sept. 2, 1969, Clarence E. Larson took the oath of office to fill a 5-year term ending June 30, 1974.

⁴ Upon expiration of the term ending June 30, 1970, Glenn T. Seaborg was appointed to a 5-year term ending June 30, 1975.

⁵ On Nov. 25, 1970, Commissioner Thompson died in a plane crash. His seat was not filled during 1970.

⁶ Resigned Jan. 26, 1973.

⁷ On Feb. 6, 1973, Dr. Ray was designated Chairman.

⁸ On June 12, 1973, William E. Kriegsman took the oath of office to fill the remainder of the term ending June 30, 1975, vacated by James R. Schlesinger on Feb. 3, 1973.

⁹ Vacant from expiration of Clarence E. Larson's term on June 30, 1974, until January 19, 1975.

¹⁰ Vacant from resignation of William O. Doub on August 17, 1974, until January 19, 1975.

¹¹ Vacant from resignation of William E. Kriegsman on December 31, 1974, until January 19, 1975.

¹² Atomic Energy Commission abolished effective January 19, 1975, pursuant to Energy Reorganization Act of 1974, Public Law 93-433.

TENURE OF OFFICE OF AEC COMMISSIONERS, 1946-75

	From—	To—	Remarks
David E. Lilienthal, Chairman.....	Nov. 1, 1946	Feb. 15, 1950	Resigned.
Robert F. Bachler.....	Nov. 1, 1946	May 10, 1949	Resigned.
Sumner T. Pike.....	Oct. 31, 1947	Dec. 15, 1951	Resigned.
William W. Waymack.....	Nov. 5, 1946	Dec. 21, 1948	Resigned.
Lewis L. Strauss.....	Nov. 12, 1946	Apr. 15, 1950	Resigned.
Chairman.....	July 2, 1953	June 30, 1959	Term expired.
Henry DeWolf Smyth.....	May 30, 1943	Sept. 30, 1954	Resigned.
Gordon Dean.....	May 24, 1949	June 30, 1953	Term expired.
Chairman.....	July 11, 1950	June 30, 1953	
Thomas E. Murray.....	May 3, 1950	June 30, 1957	Term expired.
Thomas Keith Glennan.....	Oct. 2, 1950	Nov. 1, 1952	Resigned.
Eugene M. Zuckert.....	Feb. 25, 1952	June 30, 1954	Term expired.
Joseph Campbell.....	July 27, 1953	Nov. 30, 1954	Resigned.
Willard F. Libby.....	Oct. 5, 1954	June 30, 1959	Resigned.
John Von Neumann.....	Mar. 15, 1955	Feb. 8, 1957	Deceased.
Harold S. Vance.....	Oct. 31, 1955	Aug. 31, 1959	Deceased.
John S. Graham.....	Sept. 12, 1957	June 30, 1962	Resigned.
John Forrest Floberg.....	Oct. 1, 1957	June 23, 1960	Resigned.
John A. McCone, Chairman.....	July 14, 1958	Jan. 20, 1961	Resigned.
John H. Williams.....	Aug. 13, 1959	June 30, 1960	Resigned.
Robert E. Wilson.....	Mar. 22, 1960	Jan. 31, 1964	Resigned.
Loren K. Olson.....	June 23, 1961	June 30, 1962	Term expired.
Glenn T. Seaborg, Chairman.....	Mar. 1, 1961	Aug. 16, 1971	Resigned.
Leland J. Haworth.....	Apr. 17, 1961	June 30, 1963	Resigned.
John G. Palfrey.....	Aug. 31, 1962	June 30, 1965	Resigned.
James T. Ramey.....	Aug. 31, 1962	June 30, 1973	Term expired.
Gerald F. Tape.....	July 15, 1963	Apr. 30, 1969	Resigned.
Mary I. Bunting.....	June 29, 1964	June 30, 1965	Term expired.
Wilfrid E. Johnson.....	Aug. 1, 1966	June 30, 1972	Term expired.
Samuel M. Nabrit.....	Aug. 1, 1966	Aug. 1, 1967	Resigned.
Francesco Costagliola.....	Oct. 1, 1968	June 30, 1969	Term expired.
Theos J. Thompson.....	June 12, 1969	Nov. 25, 1970	Deceased.
Clarence E. Larson.....	Sept. 2, 1969	June 30, 1974	Term expired.
James R. Schlesinger, Chairman.....	Aug. 17, 1971	Feb. 5, 1973	Resigned.
William O. Doub.....	Aug. 17, 1971	Aug. 17, 1974	Resigned.
Dixy Lee Ray ¹	Aug. 8, 1972	Jan. 19, 1975	AEC abolished.
Chairman.....	Feb. 6, 1973	Jan. 19, 1975	
William E. Kriegsman.....	June 12, 1973	Dec. 31, 1974	Resigned.
William A. Anders.....	Aug. 6, 1973	Jan. 19, 1975	AEC abolished.

¹ Designated Chairman, Feb. 6, 1973.

TENURE OF OFFICE OF NUCLEAR REGULATORY COMMISSIONERS (1975-)

	From—	To—
William A. Anders, Chairman.....	Jan. 19, 1975.....	June 30, 1976. ¹
Marcus A. Rowden.....	do.....	June 30, 1977. ¹
Edward A. Mason.....	do.....	June 30, 1978. ¹
Victor Gilinsky.....	do.....	June 30, 1979. ¹
Richard T. Kennedy.....	do.....	June 30, 1980. ¹

¹ Date term expires.

TENURE OF OFFICE OF ADMINISTRATOR, ENERGY RESEARCH AND DEVELOPMENT ADMINISTRATION

	From—	To—
Robert C. Seamans, Jr.	Jan. 19, 1975.....	Indefinite.

VII. TENURE OF OFFICE OF AEC GENERAL MANAGERS AND JCAE EXECUTIVE DIRECTORS

ATOMIC ENERGY COMMISSION, GENERAL MANAGERS, 1946-75 ²

General Manager	From—	To—
Carroll L. Wilson.....	Dec. 31, 1946.....	Aug. 15, 1950.
Marion W. Boyer.....	Nov. 1, 1959.....	Oct. 31, 1953.
Kenneth D. Nichols.....	Nov. 1, 1953.....	Apr. 30, 1955.
Kenneth E. Fields.....	May 1, 1955.....	June 30, 1958.
Pau I. Foster.....	July 1, 1958.....	Nov. 30, 1958.
A. R. Luedecke.....	Dec. 1, 1958.....	July 31, 1964.
R. E. Hollingsworth.....	Aug. 11, 1964.....	Dec. 31, 1973.
John A. Erlewine.....	Feb. 14, 1974.....	Dec. 31, 1974.

JOINT COMMITTEE ON ATOMIC ENERGY, EXECUTIVE DIRECTORS, 1947-76

Executive Director ¹	From—	To—
Fred B. Rhodes, Jr.....	Feb. 13, 1947.....	Jan. 27, 1949.
William L. Borden.....	Jan. 28, 1949.....	Sept. 30, 1953.
Corbin A. Allardice.....	Oct. 1, 1953.....	Sept. 30, 1955.
James T. Ramey.....	Apr. 1, 1956.....	Aug. 30, 1962.
John T. Conway.....	Sept. 19, 1962.....	Oct. 31, 1968.
Edward J. Bauser.....	Nov. 1, 1968.....	Dec. 31, 1974.
George F. Murphy, Jr.....	Jan. 29, 1975.....	Present.

¹ Christopher T. Boland was staff director of the Senate Special Committee on Atomic Energy, Nov. 15, 1945, and served on the Joint Committee as staff director until Jan. 9, 1947.

² AEC abolished effective January 19, 1975.

VIII. ATOMIC ENERGY LEGISLATIVE REFERENCES, 1946—75¹

(Publications that are followed by a price may be obtained from the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C., 20402)

- Public Law 585, 79th Congress (60 Stat. 755)—The Atomic Energy Act of 1946. Approved August 1, 1946. (Price, 10 cents.)
- Public Law 898, 80th Congress (62 Stat. 1259)—To provide for the extension of the terms of office of the present members of the Atomic Energy Commission. Approved July 3, 1948.*
- Public Law 14, 81st Congress (63 Stat. 11)—To retrocede to the State of New Mexico exclusive jurisdiction held by the United States over lands within the boundaries of the Los Alamos Project of the United States Atomic Energy Commission. Approved March 4, 1949.
- Public Law 347, 81st Congress (63 Stat. 762)—To amend the Atomic Energy Act of 1946 (providing for changes in the Military Liaison Committee). Approved October 11, 1949.*
- Public Law 820, 81st Congress (64 Stat. 979)—To amend the Atomic Energy Act of 1946 (changing compensation to be received by members of the Atomic Energy Commission). Approved September 23, 1950.*
- Public Law 235, 82d Congress (65 Stat. 692)—To amend the Atomic Energy Act of 1946, as amended (relating to the control of atomic information). Approved October 30, 1951.*
- Public Law 298, 82d Congress (66 Stat. 44)—To provide for certain investigations by the Civil Service Commission in lieu of the Federal Bureau of Investigation, and for other purposes. Approved April 5, 1952.*
- Public Law 137, 83d Congress (67 Stat. 181)—To amend the Atomic Energy Act of 1946, as amended (providing for entering into long-term contracts for electric-utility services). Approved July 17, 1953.*
- Public Law, 164, 83d Congress (67 Stat. 757)—To amend the Atomic Energy Act of 1946, as amended (relating to the control of information, FBI investigations, carrying of firearms, etc.). Approved July 31, 1953.*
- Public Law 262, 83d Congress (67 Stat. 575)—To amend section 9(b) of the Atomic Energy Act of 1946 (relating to the exemption of activities of the Atomic Energy Act from State and local taxation). Approved August 13, 1953.*
- Public Law 703, 83d Congress (68 Stat. 919)—Atomic Energy Act of 1954 (this act superseded the Atomic Energy Act of 1946). Approved August 30, 1954.*
- Public Law 31, 84th Congress (69 Stat. 47)—Authorizes the Atomic Energy Commission to construct a principal office building in or near the District of Columbia from funds now available or to be appropriated. Approved May 6, 1955.*
- Public Law 141, 84th Congress (69 Stat. 366)—To authorize appropriations for the AEC for the acquisition or condemnation of real property or any facility, or for plant or facility acquisition, construction, or expansion, and for other purposes. Approved July 11, 1955.*
- Public Law 165, 84th Congress (69 Stat. 47)—The Atomic Weapons Rewards Act of 1955—To provide rewards for information concerning the illegal introduction into the United States, or the illegal manufacture or acquisition in the United States of special nuclear materials and atomic weapons. Approved July 15, 1955. (Price, 5 cents.)
- Public Law 221, 84th Congress (69 Stat. 471)—The Atomic Energy Community Act of 1955 (facilitates the establishment of local self-government at the communities of Oak Ridge, Tenn., and Richland, Wash., and provides for the disposal of federally owned properties of such communities). Approved August 4, 1955.*

¹ For a compilation of statutes and material pertaining to atomic energy legislation, brought up to date through Dec. 31, 1975, see Joint Committee print entitled "Atomic Energy Legislation Through 93d Congress, 2d session," available at the Superintendent of Documents, Government Printing Office, Washington, D.C. 20402.

*Out of print.

- Public Law 337, 84th Congress (69 Stat. 630)—Authorizes the payment of the salary of a member of the Atomic Energy Commission who is appointed during the recess of Congress, and amends section 21 of the Atomic Energy Act of 1954 relating to the equal authority and responsibility of all AEC Commissioners. Approved August 9, 1955.*
- Public Law 506, 84th Congress (60 Stat. 127)—To authorize appropriations for the Atomic Energy Commission for acquisition or condemnation of real property or any facilities, or for plant or facility acquisition, construction, or expansion, and for other purposes. Approved May 3, 1956.*
- Public Law 722, 84th Congress (70 Stat. 553)—To amend the Atomic Energy Act of 1954, to permit the negotiation of commercial leases at atomic energy communities, and for other purposes. Approved July 14, 1956.*
- Public Law 802, 84th Congress (70 Stat. 653)—To amend the Atomic Energy Community Act of 1955, and for other purposes. Approved July 25, 1956.*
- Public Law 981, 84th Congress (70 Stat. 1035)—To amend Public Law 506, 84th Congress, 2d session, to increase the authorization for appropriations to the Atomic Energy Commission for acquisition or condemnation of real property, or any facilities, or for plant or facility acquisition, construction, or expansion, and for other purposes. Approved August 6, 1956.*
- Public Law 1006, 84th Congress (70 Stat. 1069)—To amend the Atomic Energy Act of 1954, as amended, and for other purposes. Approved August 6, 1956.*
- Public Law 85-14, 85th Congress (71 Stat. 11)—To amend the Atomic Energy Act of 1954, as amended, and for other purposes (providing that the President may authorize the Atomic Energy Commission to enter into an agreement with the Federal Republic of Germany on behalf of Berlin). Approved April 12, 1957.*
- Public Law 85-79, 85th Congress (71 Stat. 274)—To amend the Atomic Energy Act of 1954, as amended, and for other purposes (amends section 261—Appropriations—To increase the authorization requirements for appropriations, etc.). Approved July 3, 1957.*
- Public Law 85-162, 85th Congress (71 Stat. 403)—To authorize appropriations for the Atomic Energy Commission in accordance with section 261 of the Atomic Energy Act of 1954, as amended, and for other purposes. Approved August 21, 1957.*
- Public Law 85-177, 85th Congress (71 Stat. 453)—To provide for the appointment of representatives of the United States in the organs of the International Atomic Energy Agency, and to make other provisions with respect to the participation of the United States in that Agency, and for other purposes. Approved August 28, 1957.*
- Public Law 85-256, 85th Congress (71 Stat. 576)—To amend the Atomic Energy Act of 1954, as amended, and for other purposes (providing for a program of Government indemnification and limitation of liability, and establishes an Advisory Committee on Reactor Safeguards). Approved September 2, 1957.*
- Public Law 85-287, 85th Congress (71 Stat. 612)—To amend the Atomic Energy Act of 1954, as amended, to increase the salaries of certain executives of the Atomic Energy Commission, and for other purposes. Approved September 4, 1957.*
- Public Law 85-412, 85th Congress (72 Stat. 117)—To amend Public Law 85-162, to increase the authorization for appropriations to the Atomic Energy Commission in accordance with section 261 of the Atomic Energy Act of 1954, as amended, and for other purposes. Approved May 16, 1958.*
- Public Law 85-479, 85th Congress (72 Stat. 276)—To amend the Atomic Energy Act of 1954, as amended, to provide for greater exchange of military information and material with allies. Approved July 2, 1958.*
- Public Law 85-519, 85th Congress (72 Stat. 358)—To further amend Public Law 85-162, to increase authorization for appropriation for the Atomic Energy Commission in accordance with section 261 of the Atomic Energy Act of 1954, as amended, and for other purposes. Approved July 15, 1958.*
- Public Law 85-590, 85th Congress (72 Stat. 490)—To authorize appropriations for the Atomic Energy Commission for fiscal year 1959 in accordance with section 261 of the Atomic Energy Act of 1954, as amended, and for other purposes. Approved August 4, 1958.*
- Public Law 85-602, 85th Congress (72 Stat. 525)—To amend the Atomic Energy Act of 1954, as amended, with respect to indemnity agreements for the NS Savannah. Approved August 8, 1958.*

- Public Law 85-681, 85th Congress (72 Stat. 632)—To amend the Atomic Energy Act of 1954, as amended, for various purposes (AEC omnibus bill). Approved August 19, 1958.*
- Public Law 85-744, 85th Congress (72 Stat. 837)—To amend the Atomic Energy Act of 1954, as amended with respect to indemnity agreements for nonprofit educational institutions. Approved August 23, 1958.*
- Public Law 85-846, 85th Congress (72 Stat. 1084)—To provide for cooperation with the European Atomic Energy Community. Approved August 28, 1958.*
- Senate Concurrent Resolution 116, 85th Congress, to approve agreements between the Government of the United States of America and the European Atomic Energy Community (Euratom) signed at Brussels on May 29, 1958, and at Washington on June 19, 1958, concerning cooperation for the advancement of the peaceful application of atomic energy. Passed both Houses of Congress August 20, 1958.
- Public Law 86-43, 86th Congress (73 Stat. 73)—To amend section 251 of the Atomic Energy Act of 1954, as amended, to provide for the submission by the Atomic Energy Commission of an annual rather than a semiannual report to Congress. Report to be submitted in January of each year. Approved June 11, 1959.*
- Public Law 86-44, 86th Congress (73 Stat. 73)—To amend Public Law 85-590 to increase the authorization for appropriations to the Atomic Energy Commission for project 59-c-5, phermex installation, Los Alamos. Approved June 11, 1959.*
- Public Law 86-50, 86th Congress (73 Stat. 81)—To authorize appropriations for the Atomic Energy Commission in accordance with section 261 of the Atomic Energy Act of 1954, as amended, and for other purposes (Authorization Act for fiscal year 1960). Approved June 23, 1959.*
- Public Law 86-300, 86th Congress (73 Stat. 574)—To amend subsection 161m of the Atomic Energy Act of 1954, as amended, with respect to agreements for the reprocessing of irradiated fuel elements, and section 163 of the Atomic Energy Act of 1954, as amended with respect to Atomic Energy Commission advisory committees. Approved September 21, 1959.*
- Public Law 86-373, 86th Congress (73 Stat. 688)—To amend the Atomic Energy Act of 1954, as amended, by adding a new section 274 with respect to Cooperation with States. Approved September 23, 1959.*
- Public Law 86-457, 86th Congress (74 Stat. 120)—To authorize appropriations for the Atomic Energy Commission in accordance with section 261 of the Atomic Energy Act of 1954, as amended. Approved May 13, 1960.*
- Public Law 87-52, 87th Congress (75 Stat. 94)—To authorize construction of community support facilities at Los Alamos County, N. Mex. Approved June 16, 1961.*
- Public Law 87-174, 87th Congress (75 Stat. 409)—To amend section 53 c. of the Atomic Energy Community Act of 1955. Approved August 30, 1961.*
- Public Law 87-206, 87th Congress (75 Stat. 475)—To amend various sections of the Atomic Energy Act of 1954, as amended, and the Euratom Cooperation Act of 1958, and for other purposes. Approved September 6, 1961.*
- Public Law 87-315, 87th Congress (75 Stat. 676)—To authorize appropriations for the Atomic Energy Commission in accordance with section 261 of the Atomic Energy Act of 1954, as amended, and for other purposes. Approved September 26, 1961.*
- Public Law 87-363, 87th Congress (75 Stat. 782)—To waive certain provisions of the Atomic Energy Act of 1954 so as to permit the agreement for cooperation between the United States and France to be made immediately effective. Approved October 4, 1961.*
- Public Law 87-615, 87th Congress (76 Stat. 409)—To amend the Atomic Energy Act of 1954, as amended, and for other purposes. Approved August 29, 1962.*
- Public Law 87-701, 87th Congress (76 Stat. 599)—To authorize appropriations for the Atomic Energy Commission in accordance with section 261 of the Atomic Energy Act of 1954, as amended, and for other purposes. Approved September 26, 1962.*
- Public Law 87-719, 87th Congress (76 Stat. 664)—To amend the Atomic Energy Community Act of 1955, as amended, to provide for the disposal of federally owned properties at Los Alamos, N. Mex., and for other purposes. Approved September 28, 1962.*

*Out of print.

- Public Law 88-72, 88th Congress (77 Stat. 84)—To authorize appropriations for The Atomic Energy Commission in accordance with section 261 of the Atomic Energy Act of 1954, as amended, and for other purposes. Approved July 22, 1963.*
- Public Law 88-189, 88th Congress (77 Stat. 343)—To amend Public Law 88-72 to increase the authorization for appropriations to the Atomic Energy Commission in accordance with section 261 of the Atomic Energy Act of 1954, as amended, and for other purposes. Approved November 29, 1963.*
- Public Law 88-294, 88th Congress (78 Stat. 172)—To amend the Atomic Energy Act of 1954 (amends section 202). Approved March 26, 1964.*
- Public Law 88-332, 88th Congress (78 Stat. 227)—To authorize appropriations to the Atomic Energy Commission in accordance with section 261 of the Atomic Energy Act of 1954, as amended, and for other purposes. Approved June 30, 1964.*
- Public Law 88-394, 88th Congress (78 Stat. 376)—To amend the Atomic Energy Act of 1954, as amended, the Atomic Energy Community Act of 1955, as amended, and the EURATOM Cooperation Act of 1958, as amended (AEC omnibus bill). Approved August 1, 1964.*
- Public Law 88-489, 88th Congress (78 Stat. 602)—To amend the Atomic Energy Act of 1954, as amended, and for other purposes (Private Ownership of Special Nuclear Materials Act). Approved August 26, 1964.*
- Public Law 89-32, 89th Congress (79 Stat. 120)—To authorize appropriations to the Atomic Energy Commission in accordance with Section 261 of the Atomic Energy Act of 1954, as amended, and for other purposes. Approved June 2, 1965.*
- Public Law 89-135, 89th Congress (79 Stat. 551) To amend section 271 of the Atomic Energy Act of 1954, as amended. Approved August 24, 1965.*
- Public Law 89-210, 89th Congress (79 Stat. 855)—To amend section 170 of the Atomic Energy Act of 1954, as amended. Approved September 29, 1965.*
- Public Law 89-428, 89th Congress (89 Stat. 162)—To authorize appropriations to the Atomic Energy Commission in accordance with Section 261 of the Atomic Energy Act of 1954, as amended, and for other purposes. Approved May 21, 1966.*
- Public Law 89-645, 89th Congress (80 Stat. 891)—To amend section 170 of the Atomic Energy Act of 1954, as amended. Approved October 13, 1966.*
- Public Law 89-648, 89th Congress (80 Stat. 895)—To amend Public Law 89-428 to authorize the Atomic Energy Commission to enter into a cooperative arrangement for a large-scale combination nuclear power-desalting project. Approval October 13, 1966.*
- Public Law 90-56, 90th Congress (81 Stat. 124)—To authorize appropriations to the Atomic Energy Commission in accordance with section 261 of the Atomic Energy Act of 1954, as amended, and for other purposes. Approved July 26, 1967.*
- Public Law 90-190, 90th Congress (81 Stat. 575)—To amend the Atomic Energy Community Act of 1955, as amended, the Atomic Energy Act of 1954, as amended, and the EURATOM Cooperation Act of 1958, as amended. Approved December 14, 1967.*
- Public Law 90-289, 90th Congress (82 Stat. 96)—To authorize appropriations to the Atomic Energy Commission in accordance with section 261 of the Atomic Energy Act of 1954, as amended, and for other purposes. Approved April 19, 1968.*
- Public Law 91-44, 91st Congress (83 Stat. 46)—To authorize appropriations to the Atomic Energy Commission in accordance with section 261 of the Atomic Energy Act of 1954, as amended, and for other purposes. Approved July 11, 1969. (Price, 10 cents.)
- Public Law 91-161, 91st Congress (83 Stat. 444)—To amend sections 153h, 221c, 222, 223, 224, 225, 226, and add section 234 to the Atomic Energy Act of 1954, as amended. Approved December 24, 1969. (Price, 5 cents.)
- Public Law 91-273, 91st Congress (84 Stat. 299)—To authorize appropriations to the Atomic Energy Commission in accordance with section 261 of the Atomic Energy Act of 1954, as amended, and for other purposes. Approved June 2, 1970.
- Public Law 91-560, 91st Congress (84 Stat. 1472)—To amend the Atomic Energy Act of 1954, as amended (secs. 31, 56, 102, 103, 104, 105, 161, 182, 191, and 274) to eliminate the requirement for a finding of practical value and for other purposes. Approved December 19, 1970.

*Out of print.

- Public Law 91-580, 91st Congress (84 Stat. 1565)—To amend Public Law 91-273 to increase authorization of appropriations for fiscal year 1971. Approved December 24, 1960.
- Public Law 92-84, 92d Congress (85 Stat. 304)—To authorize appropriations to the Atomic Energy Commission in accordance with section 261 of the Atomic Energy Act of 1954, as amended, and for other purposes. Approved August 11, 1971.
- Public Law 92-307, 92d Congress (86 Stat. 191)—To authorize the AEC to issue temporary operating licenses for nuclear power reactors under certain circumstances. Approved June 2, 1972.
- Public Law 92-314, 92d Congress (86 Stat. 222)—To authorize appropriations to the Atomic Energy Commission in accordance with section 261 of the Atomic Energy Act of 1954, as amended, and for other purposes. Approved June 16, 1972.
- Public Law 93-60, 93d Congress (77 Stat. 88)—To authorize appropriations to the Atomic Energy Commission in accordance with section 261 of the Atomic Energy Act of 1954, as amended, and for other purposes. Approved July 6, 1973.
- Public Law 93-88, 93d Congress (81 Stat. 578)—To amend the Euratom Cooperation Act of 1958, as amended. Approved August 14, 1973.
- Public Law 93-158, 93d Congress (87 Stat. 627)—To amend Public Law 93-60 to increase the authorization for appropriations to the Atomic Energy Commission in accordance with section 261 of the Atomic Energy Act of 1954, as amended, and for other purposes. Approved November 26, 1973.
- Public Law 93-276, 93d Congress (88 Stat. 115)—To authorize appropriations to the Atomic Energy Commission in accordance with section 261 of the Atomic Energy Act of 1954, as amended, and for other purposes. Approved May 10, 1974.
- Public Law 93-377, 93d Congress (88 Stat. 472)—To amend the Atomic Energy Act of 1954, as amended, and the Atomic Weapons Rewards Act of 1955, and for other purposes. Approved August 17, 1974.
- Public Law 93-485, 93d Congress (88 Stat. 1460)—To amend the Atomic Energy Act of 1954, as amended, to enable Congress to concur in or disapprove international agreements for cooperation in regard to certain nuclear technology. Approved October 26, 1974.
- Public Law 93-513, 93d Congress (88 Stat. 1610)—Assuring compensation for damages caused by nuclear incidents involving the nuclear reactor of a United States Warship. Approved December 6, 1974.
- Public Law 93-514, 93d Congress (88 Stat. 1611)—To provide available nuclear information to committees and Members of Congress. Approved December 6, 1974.
- Public Law 93-576, 93d Congress (88 Stat. 1878)—To amend Public Law 93-276 to increase the authorization for appropriations to the Atomic Energy Commission in accordance with section 261 of the Atomic Energy Act of 1954, as amended, and for other purposes. Approved December 31, 1974.
- Public Law 93-616, 93d Congress (88 Stat. 11977)—To designate a national laboratory as the "Hollifield National Laboratory". Approved January 2, 1975.
- Public Law 94-18, 94th Congress (89 Stat. 80)—To authorize supplemental appropriations to the Nuclear Regulatory Commission for fiscal year 1975.
- Public Law 94-79, 94th Congress (89 Stat. 413)—To authorize appropriations to the Nuclear Regulatory Commission in accordance with section 261 of the Atomic Energy Act of 1954, as amended, and section 305 of the Energy Reorganization Act of 1974, and for other purposes.
- Public Law 94-187, 94th Congress (89 Stat. 1063)—To authorize appropriations to the Energy Research and Development Administration in accordance with section 261 of the Atomic Energy Act of 1954, as amended, section 305 of the Energy Reorganization Act of 1974, and section 16 of the Federal Nonnuclear Energy Research and Development Act of 1974, and for other purposes.
- Public Law 94-197, 94th Congress, (89 Stat. 1111)—To amend the Atomic Energy Act of 1954, as amended, to provide for the phaseout of governmental indemnity as a source of funds for public remuneration in the event of a nuclear incident, and for other purposes.

IX. PUBLICATIONS OF THE JOINT COMMITTEE ON ATOMIC ENERGY, 1945-75

(Publications that are followed by a price may be obtained from the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402, at the price indicated. When no price is indicated, request may be made, in writing, to the Joint Committee on Atomic Energy, U.S. Capitol, Washington, D.C. 20510, unless an asterisk indicates that the publication is out of print.)

1945-46 (79th Cong.)

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| Development and Control of Atomic Energy (on S. 1717, a bill for the development and control of atomic energy).* | Hearings, Jan. 22, 23, 25, 28, 29, 30, 31; Feb. 1, 7, 8, 11, 13, 14, 18, 19, 27; Apr. 4, 8, 1946. |
| Essential Information on Atomic Energy.* | Monograph. 1946, Monograph No. 1. |
| Investigating Problems Relating to the Development, Use, and Control of Atomic Energy (authority of S. Res. 179), pts. 1-5.* | Hearings, Nov. 27, 28, 29, 30; Dec. 3, 5, 6, 10, 12, 13, 14, 19, 20, 1945; Feb. 15, 1945. |

1947 (80th Cong., 1st sess.)

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|--|---|
| Confirmation of the Atomic Energy Commission and the General Manager. ¹ * | Hearings Jan. 27, 28, 30, 31; Feb. 3, 4, 5, 6, 7, 8, 10, 11, 12, 17, 18, 19, 20, 21, 22, 24, 25, 28; Mar. 3, 4. |
|--|---|

1948 (80th Cong., 2d sess.)

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| Argonne National Laboratory, Du Page County (Ill.) Site.* | Committee print, June 17 (subcommittee report). |
| Comparison of Atomic Energy Legislation of the United States and Certain Foreign Countries.* | Committee print, Dec. 21. |
| Labor Policy in Atomic Energy Plants.* | Hearings, Mar. 9, 10, 12, 15, 16. |

1949 (81st Cong., 1st sess.)

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| Atomic Energy Commission Fellowship Program.* | Hearings, May 16, 17, 18, and 23. |
| Atomic Energy Report to Congress*--- | Hearing, Feb. 2. |
| Confirmation of Gordon E. Dean and Henry DeWolf Smyth as Members of the Atomic Energy Commission. ¹ | Hearings, May 12, and 18. |
| Dormitory Rental Problem, Oak Ridge, Tenn.* | Committee print, Apr. 19 (subcommittee report). |
| Hanford School Facilities*----- | Hearings, Aug. 2, 4, 8, and 10. |
| Investigation Into the United States Atomic Energy Project.* | Hearings, May 26; June 1, 2, 6, 8, 9, 13, 15, 16, 17, 20, 21, 22, 23, 24, 28, 29, 30; July 6, 7, 8, 11; appendixes; index. |
| Los Alamos Retrocession Bill and AEC Contract Policy.* | Hearings, Feb. 17, 21, and 24. |
| Natural Gas Facilities for Oak Ridge*. | Hearings, May 2. |
| Natural-Gas Pipe Line, Oak Ridge, Tenn.* | Committee print, May 23 (subcommittee report). |
| Oak Ridge Dormitory Facilities*----- | Hearing, Apr. 21. |

NOTE.—Above publications by Senate Special Committee on Atomic Energy.

¹ Confirmation hearings before Senate section of Joint Committee on Atomic Energy.

* Out of print.

- Recommendations on Labor Relations Policy in Atomic Energy Installations.* Hearing, May 3.
- Selection of Site for Reactor Test Station.* Hearings, Apr. 14 and May 1.
- Uranium Inventory at Oak Ridge*----- Hearing, June 20.

1950 (81st Cong., 2d sess.)

- Civil Defense Against Atomic Attack: Preliminary Data.* Committee print, February.
- Civil Defense Against Atomic Attack*- Hearings, Mar. 17, 20, 23, 30; Apr. 3; Dec. 4.
- Community Policy*----- Hearing, Apr. 18.
- Community Policy*----- Hearing, June 6.
- Confirmation of Sumner T. Pike to be a Member of the Atomic Energy Commission.¹* Hearing, June 29.
- Confirmation of Thomas E. Murray to be a Member of the Atomic Energy Commission.¹* Hearing, Mar. 29.
- Confirmation of Thomas Keith Glennan to be a Member of the Atomic Energy Commission.¹* Hearing, Aug. 16.
- Department Store Lease at Oak Ridge, Tenn.* Hearings, Mar. 13 and 14.
- Hanford School Facilities*----- Hearing, Mar. 3.
- Hanford School Facilities*----- Committee print, Mar. 15 (subcommittee report).
- Lease of an Oak Ridge Department Store.* Committee print, Mar. 30 (subcommittee report).
- Patent Aspects of the Atomic Energy Act.* Hearing, Mar. 31.
- The Hydrogen Bomb and International Control: Technical and Background Information.*** Committee print, July.

1951 (82d Cong., 1st sess.)

- Expanded Atomic Production Program.* Hearing, Sept. 27.
- Housing for Savannah River and Paducah.* Hearing, Feb. 16.
- Soviet Atomic Espionage*----- Committee print, April.

1952 (82d Cong., 2d sess.)

- Amending the Atomic Energy Act*---- Hearings, Feb. 19, 20, 27; Mar. 10, 14, 17.
- Atomic Power and Private Enterprise*. Committee print, December (price, \$1.25).
- Confirmation of Eugene M. Zuckert as a Member of the Atomic Energy Commission.¹* Hearing, Jan. 29.
- State Taxation of AEC Contractors*--- Hearing, Apr. 24.
- The Atomic Energy Act of 1946, With Amendments Through the 82d Congress.²* Committee print, November.
- Wage Payments at Nevada Test Site*- Hearing, Jan. 30.

1953 (83d Cong., 1st sess.)

- Atomic Power Development and Private Enterprise.* Hearings, June 19, 24, 25; July 1, 6, 9, 13, 15, 16, 20, 22, 23, 27, and 31.
- Atomic Power Development and Private Enterprise.* Summary of the hearing (report), December.

¹ Confirmation hearings before Senate section of Joint Committee on Atomic Energy.² Current print now available.

* Out of print.

*** Available only at the Office of the Joint Committee.

- Index to Press Releases of the Atomic Energy Commission (1947-51).* Committee print.
 Legislation Concerning Long-Term Utility Contracts (amending the Atomic Energy Act of 1946.)* Hearings, Apr. 28 and June 10 (H.R. 4905).
 The Atomic Energy Act of 1946. With Amendments Through the 83d Cong., 1st sess.*² Committee print, December.

1954 (83d Cong., 2d sess.)

- A Proposed Act To Amend the Atomic Energy Act of 1946.* Committee print, April.
 Disposal of Government-Owned Community at Richland, Wash.* Hearings, June 18 and 19 (Part 1).
 Exercise of Statutory Requirements Under Sec. 164, Atomic Energy Act of 1954—Utility Contract Between Atomic Energy Commission and Mississippi Valley Generating Co.* Hearings, Nov. 4, 5, 6, 8, 9, 10, 11, 12, and 13.
 Five-Year Power Reactor Development Program Proposed by the Atomic Energy Commission.* Report on the Subcommittee on Research and Development, March.
 Index to Press Releases of the Atomic Energy Commission (1952-53).* Committee print, October.
 Proposed Legislation To Effect Disposal of Government-Owned Communities at Oak Ridge, Tenn., and Richland, Wash., and Other Pertinent Documents.* Committee print, April.
 Providing Radioisotopes for Medical Research.* Report, August.
 S. 3323 and H.R. 8862, To Amend the Atomic Energy Act of 1946.* Hearings (pt. 1 of 2 parts), May 10, 11, 12, 13, 14, 17, 18, and 19.
 S. 3323 and H.R. 8862, To Amend the Atomic Energy Act of 1946.* Hearings (pt. 2 of 2 parts), June 2, 3, 4, 5, 8, 17, and 18.
 The Contribution of Atomic Energy to Agriculture.* Hearings (Subcommittee on Research and Development), Mar. 31, and Apr. 1.
 The Contribution of Atomic Energy to Medicine.* Hearings (Subcommittee on Research and Development), June 2, 3, and 4.

1955 (84th Cong., 1st sess.)

- AEC-FCDA Relationship*----- Hearing, Mar. 24.
 Authorizing Legislation*----- Hearings, May 2, 9, 10, and 31 (Subcommittee on Authorizing Legislation).
 Confirmation of AEC Commissioners, June 1953 to March 1955.¹ * Hearings, June 27, July 20, 1953, Nov. 18, 1954, and Mar. 8, 1955 (Senate section of the Joint Committee).
 Current Statement of the Atomic Energy Commission on the 5-Year Reactor Development Program to the Subcommittee on Research and Development.* Committee print, May 4.
 Development, Growth, and State of the Atomic Energy Industry.* Hearings (pt. 1 of 3 parts), Jan. 31, Feb. 1, 3, and 4.
 Development, Growth, and State of the Atomic Energy Industry.* Hearings (pt. 2 of 3 parts), Feb. 7, 8, 9, and 10.
 Development, Growth, and State of the Atomic Energy Industry.* Hearings (pt. 3 of 3 parts), Feb. 28, Mar. 1, 2, and 3.
 Development, Growth, and State of the Atomic Energy Industry, Index to Hearings.* Committee print, Aug. 5.

¹ Confirmation hearings before Senate section of Joint Committee on Atomic Energy.² Current print now available.

*Out of print.

***Available only at the Office of the Joint Committee.

- Disposal of Government-Owned Community at Los Alamos, N. Mex.*
- Disposal of Government-Owned Communities at Oak Ridge, Tenn., and Richland, Wash.*
- Disposal of Government-Owned Community at Oak Ridge, Tenn.*
- Disposal of Government-Owned Community at Richland, Wash., Part II.*
- Health and Safety Problems and Weather Effects Associated with Atomic Explosions.*
- Radiation Sterilization of Foods***-----
- Report of Comptroller General on Atomic Energy Commission Contracts for Electric Power:
Part I—Review of EBASCO Services, Inc., Performance at Joppa, Ill., Steam Electric Station of Electric Energy, Inc.*
- Visit to Australia*-----
- Waiver Action (Nov. 13, 1954) by the Joint Committee on Atomic Energy, 83d Cong., 2d sess.—Utility Contract Between the Atomic Energy Commission and Mississippi Valley Generating Co.*
- 1956 (84th Cong., 2d sess.)
- Accelerating Civilian Reactor Program.*
- Atomic Energy Legislation through 84th Congress.*²
- Authorizing Legislation*-----
- Civilian Atomic Power Acceleration Program***
- Development, Growth, and State of the Atomic Energy Industry.*
- Development, Growth, and State of the Atomic Energy Industry.*
- Index to Hearings on Development, Growth, and State of the Atomic Energy Industry.*
- Engineering and Scientific Manpower in the United States, Western Europe, and Soviet Russia.*
- Government Indemnity*-----
- Index to Press Releases of the Atomic Energy Commission, 1954-55.*
- Membership, Acts Amending the Atomic Energy Act of 1946, and list of committee publications.*²
- Progress Report on Research in Medicine, Biology, Agriculture, and Food Preservation.*
- Proposed Amendment to Public Law 221.*
- Hearing, Sept. 6.
- Committee print, April.
- Hearing, June 10 (Ad Hoc Subcommittee on Disposal of Government-Owned Communities).
- Hearing, July 5.
- Hearing, Apr. 15.
- Hearing, May 9 (Subcommittee on Research and Development).
- Report, Mar. 31.
- Report (Raw Materials Subcommittee), Feb. 9.
- Report, January.
- Hearings, May 23, 24, 25, 28, 29.
- Committee print, December.
- Hearings, Feb. 17 and Mar. 27.
- Hearing, June 28.
- Hearings, Feb. 7, 8, 15, 16, and 23 (pt. 1 of 2 parts).
- Hearings, Feb. 29, Mar. 1, 5, and 6 (pt. 2 of 2 parts).
- Committee print, December.
- Committee print, March.
- Hearings, May 15, 16, 17, 18, 21, and June 14.
- Committee print, November.
- Committee print, February.
- Hearings (Subcommittee on Research and Development), June 4, 5, 6, 7, and 8.
- Hearing, Feb. 10 (Subcommittee on Communities).

¹ Current print now available.

² Out of print.

*** Available only at the Office of the Joint Committee.

- Report of Comptroller General on Atomic Energy Commission Contracts for Electric Power: Parts II and III—Review of Electric Energy, Inc., and Ohio Valley Electric Corp.*** Committee print, Aug. 9.
- Report of the Panel on the Impact of the Peaceful Uses of Atomic Energy to the Joint Committee on Atomic Energy (vol. I).* Committee print, January.
- Report of the Panel on the Impact of the Peaceful Uses of Atomic Energy to the Joint Committee on Atomic Energy (Background Material—vol. II).* Committee print, January.
- Sale of Communities (1956)*----- Hearings (Subcommittee on Communities), June 11, 19, 20, and 21.
- Shortage of Scientific and Engineering Manpower.* Hearings, Apr. 17, 18, 19, 25, 26, and May 1 (Subcommittee on Research and Development, July 1.
- 1957 (85th Cong., 1st sess.)
- A Study of AEC Procedures and Organization in the Licensing of Reactor Facilities.* Committee print, April (price, 55 cents).
- AEC Headquarters Building Wing*----- Hearing, May 23.
- Atomic Energy Legislation through 85th Cong., 1st sess.*² Committee print, December.
- Authorizing Legislation*----- Hearings (pt. 1 of 2 parts), April 10, 16, and June 12, 13, 14, 17, 18, 24, 25, 26, and 27.
- Do*----- Hearings (pt. 2 of 2 parts), July 9.
- Authorizing Legislation. Index to Hearings of 1955, 1956, and 1957.*** Committee print, December.
- Congressional Review of Atomic Energy Program.* Hearings May 23 and June 19.
- Development, Growth, and State of the Atomic Energy Industry.* Hearings (pt. 1 of 2 parts), Feb. 19, 20, 21, and 25.
- Do*----- Hearings (pt. 2 of 2 parts), Feb. 26, 27, 28, and Mar. 5.
- Development, Growth, and State of the Atomic Energy Industry. Index to Hearings.* Committee print, July.
- Development of Scientific Engineering and other Professional Manpower (with emphasis on the role of the Federal Government).* Committee print, May.
- Governmental Indemnity and Reactor Safety.* Hearings, Mar. 25, 26, and 27.
- Membership, Acts Amending the Atomic Energy Act of 1946, and list of Committee Publications.*² Committee print, March.
- Naval Reactor Program and Shipping-transport Project.* Hearings, Mar. 7 and Apr. 12.
- Participation Act of the International Atomic Energy Agency, S. 2341.* Hearing, July 2.
- Report of the Conferences on the Statute of the International Atomic Energy Agency by Congressional Advisers.* Committee print, January.
- Review of Proposals Under Power Demonstration Program.* Hearing, Sept. 17.

² Current print now available.

*Out of print.

***Available only at the Office of the Joint Committee.

Statute of the International Atomic Energy Agency Hearings before the Committee on Foreign Relations and Senate Members of the Joint Committee on Atomic Energy.*	May 10, 14, 15, and 20.
The Nature of Radioactive Fallout and Its Effects on Man.*	Hearings (pt. 1 of 3 parts), May 27, 28, 29, and June 3.
Do*-----	Hearings (pt. 2 of 3 parts), June 4, 5, 6, and 7.
Do*-----	Index to Hearings (pt. 3 of 3 parts).
Do*-----	Summary-Analysis of the Hearings, committee print, August.
West Berlin Reactor*-----	Hearing, Mar. 6.
1958 (85th Cong., 2d sess.)	
AEC Authorizing Legislation*-----	Hearings (Subcommittee on Legislation), May 14, 19, 27; June 4, 10, and 11 (Contains hearings on May 19, 1958, on H.R. 12457 (S. 3786). Increased authorization for Project Sherwood and Particle Accelerator Program).
Do*-----	Index to hearings.
AEC "Omnibus" Bill*-----	Hearings (Subcommittee on Legislation), July 10, 17, and 18.
Amending the Atomic Energy Act of 1954 To Permit Greater Exchange of Military Information and Material With Allied Nations.*	Hearings (Subcommittee on Agreements for Cooperation), Jan. 29, 30, and 31; Feb. 4, 5, and 27; Mar. 5, 26, 27, and 28, Apr. 17.
Atomic Energy Legislation through 85th Cong., 2d sess.* ²	Committee print, December.
Authorizing Legislation for Destroyer Reactor Plant.*	Hearings (Subcommittee on Legislation), Mar. 14.
Comments of Reactor Designers and Industrial Representatives on the Proposed Expanded Civilian Nuclear Power Program.*	Committee print, December.
Development, Growth and State of the Atomic Energy Industry (1958 Section 202 Hearings).*	Hearings, Feb. 19, 20, 21, 26, and 28, Mar. 3 and 4.
Do*-----	Index to hearings.
Membership, Legislation, and Publications of the Joint Committee on Atomic Energy.* ²	Committee print, March
Nomination of John A. McCone*-----	Hearing (Senate section of the Joint Committee), July 2.
Operation AEC Indemnity Act*-----	Hearings, May 8 and July 9 (contains hearings on July 8 and 17, 1958, on H.R. 13455 (S. 4164) and H.R. 13456 (S. 4165), Indemnity for Colleges and Universities and NS Savannah).
Outer Space Propulsion by Nuclear Energy.*	Hearings (Subcommittee of the JCAE), Jan. 22, 23, and Feb. 6.
Physical Research Program as It Relates to the Field of Atomic Energy.*	Hearings (Subcommittee on Research and Development), Feb. 3, 4, 5, 6, 7, 10, 11, 13, and 14.
Do*-----	Report of Subcommittee on Research and Development, committee print, August.
Do*-----	Index to hearings.
Problems of the Uranium Mining and Milling Industry.*	Hearings, Feb. 19, 24, and 25.

² Current print now available.

*Out of print.

***Available only at the Office of the Joint Committee.

Proposed Expanded Civilian Nuclear Power Program.*	Committee print, August.
Proposed EURATOM Agreements (with associated documents and materials).*	Committee print, July.
Proposed EURATOM Agreements*----	Hearings, pt. 1, July 22, 23, 24, 29, and 30.
Do*-----	Pt. 2, Aug. 5, 7, and 13.
Do*-----	Index to hearings.
Report of the Undersea Warfare Advisory Panel to the Military Applications Subcommittee of the JCAE.***	Committee print, August.
Report on First General Conference of International Atomic Energy Agency.*	Committee print, April.
Review of Proposals Under Power Demonstration Program.*	Hearings (Subcommittee on Legislation), Mar. 12, 14, and May 22, 23.
Technical Aspects of the Report on the Gas-Cooled, Graphite-Moderated Reactor.*	Hearing (Subcommittee on Legislation), Apr. 22.
1959 (86th Cong., 1st sess.)	
Aircraft Nuclear Propulsion Program.*	Hearings, July 23.
Do.*-----	Report, September.
AEC Authorizing Legislation, Fiscal 1960.*	Hearings, Feb. 7 and 27; Mar. 23, 24, and 25; Apr. 13, 14, and 15; and May 8.
AEC Report on Indemnity Act and Advisory Committee on Reactor Safeguards.*	Committee print, April.
Agreements for Cooperation with EURATOM.*	Hearings, Jan. 21 and 22.
Agreements for Cooperation for Mutual Defense Purposes.*	Hearings, June 11, 12, and 17; July 1 and 2.
Agreement for Cooperation between the United States and the International Atomic Energy Agency.*	Hearings, June 30.
Amending the Atomic Energy Act and Authorization of Stanford Accelerator Project.*	Hearing, Aug. 26.
Atomic Energy Legislation through the 86th Cong., 1st sess.* ²	Committee print, December.
Atomic Energy Patents, Selected Materials on.*	Committee print, March (2 volumes).
Atomic Energy Patents*-----	Hearings, Apr. 21, 22, and 23.
Biological and Environmental Effects of Nuclear War.*	Hearings, July 22, 23, 24, 25, and 26.
Do***-----	Summary-Analysis of Hearings.
Community Problems at Los Alamos.*--	Hearing, Dec. 7.
Development, Growth and State of the Atomic Energy Industry.*	Hearings, Feb. 17, 18, 19, 24, 25, and 26.
Do*-----	Index to hearings.
Employee Radiation Hazards and Workmen's Compensation—Selected Materials.*	Committee print, February.
Employee Radiation Hazards and Workmen's Compensation.*	Hearings, Mar. 10, 11, 12, 17, 18, and 19.
Do*-----	Summary-Analysis of Hearings, September.
Fallout from Nuclear Weapons Tests.*--	Hearings, May 5, 6, 7, and 8.
Do*-----	Summary-Analysis of Hearings, August.
Do*-----	Vol. 4. Index to hearings.

² Current print now available.

*Out of print.

***Available only at the Office of the Joint Committee.

Federal-State Relationships in the Atomic Energy Field, Selected Materials.*	Committee print, March.
Federal-State Relationships in the Atomic Energy Field.*	Hearings, May 19, 20, 21, and 22.
Indemnity and Reactor Safety*-----	Hearings, Apr. 29 and 30.
Industrial Radioactive Waste Disposal.*	Hearings, Jan. 28, 29, and 30; Feb. 2 and 3; and July 29 (5 volumes).*
Do*-----	Summary-Analysis of Hearings, August.
Membership, Legislation and Publications of the JCAE.* ²	Committee print, February.
Review of Naval Reactor Program and Admiral Rickover Award.*	Hearings, Apr. 11 and 15.
Scientific Research in Great Britain*--	Committee print, December.
Stanford Linear Electron Accelerator*--	Hearings, July 14 and 15.

1960 (86th Cong., 2d sess.)

AEC Authorizing Legislation, Fiscal Year 1961.*	Hearings, Mar. 8, 10, 11, and Apr. 5, 6, and 7.
AEC Community Problems*-----	Hearings, June 13.
Atomic Energy Legislation through the 86th Cong., 2d sess.* ²	Committee print, December.
Development, Growth, and State of the Atomic Energy Industry.*	Hearings, Feb. 16, 17, 18, 19, 23, 24, and 25.
Frontiers in Atomic Energy Research* Do*-----	Hearings, Mar. 22, 23, 24, and 25. Summary-Analysis of Hearings, August.
Future Role of the AEC Laboratories*.	Committee print, October.
Indemnity and Reactor Safety*-----	Hearings, Apr. 26 and 27.
Membership, Legislation and Publications of the JCAE.* ²	Committee print, February.
National Food Irradiation Research Program.*	Hearings, pt. 1, Jan. 14, and 15; pt. 2, Mar. 31.
Naval Reactor Program and Polaris Missile System.*	Hearings, Apr. 9.
Omnibus Bills, 1960*-----	Hearings, May 17 and 18.
Radiation Protection Criteria and Standards: Their Basis and Use.* Do*-----	Committee print, May. Selected Materials.
Do*-----	Hearings, May 24, 25, 26, 31, and June 1, 2, and 3.
Do*-----	Summary-Analysis of Hearings, October.
Review of International Atomic Policies and Programs of the United States: Vol. I *-----	Report to the Joint Committee on Atomic Energy. Committee print, October.
Vols. II, III, IV, and V *-----	Background material.
Review of Proposed Power Demonstration Project.*	Hearing, June 10.
Technical Aspects of Detection and Inspection Controls of a Nuclear Weapons Test Ban.* Do*-----	Hearings, Apr. 19, 20, 21, and 22, pt. 1.
Do*-----	Appendix to hearings, pt. 2.
Do*-----	Summary-Analysis of Hearings, May.

1961 (87th Cong., 1st sess.)

AEC Authorizing Legislation*-----	Hearings, May 1, 2, 3, 10, 11, 17, 18, 19, and June 6.
AEC Omnibus Bills, 1961, and Amendment to sec. 170 of the Atomic Energy Act.*	Hearings, June 27 and 29.

² Current print now available.

* Out of print.

*** Available only at the Office of the Joint Committee.

AEC Raw Materials Program*-----	Hearings, Nov. 15, 16.
Agreement for Cooperation with Italy for Mutual Defense Purposes.*	Hearing, Mar. 9.
Agreement for Cooperation with France for Mutual Defense Purposes.*	Hearing, Sept. 12.
Applications of Radioisotopes and Ra- diation in the Life Sciences.*	Hearings, Mar. 27, 28, 29, and 30.
Do*-----	Summary-analysis, June.
Atomic Energy Legislation through the 87th Cong., 1st sess.* ²	Committee print, December.
Detection and Identification of Nuclear Explosions: Developments in the Field.*	Hearings, July 25, 26, 27.
Do*-----	Summary-analysis of hearings.
Development, Growth and State of the Atomic Energy Industry.*	Hearings, Feb. 21, 24, 27, 28, and Mar. 1, 2, 3.
High Energy Physics Program and the Proposed Stanford Linear Electron Accelerator Project: Background In- formation.*	Report to the Joint Committee on Atomic Energy.
Improving the AEC Regulatory Pro- cess.*	Committee print, vol. I, March.
Do*-----	Committee print, vol. II, appendix, March.
Do*-----	Views and comments, committee print. June.
Membership, Publications, and Other Pertinent Information Through the 86th Cong., 2d sess.* ²	Committee print, March.
Nuclear Energy for Space Propulsion and Auxiliary Power.***	Hearings, Aug. 28 and 29.
Operations Under the Indemnity Pro- visions of the Atomic Energy Act of 1954.*	Hearings, July 18, 19, 20.
Power Conversion Studies Hanford New Production Reactor.*	Committee print, March.
Radiation Protection Criteria and Standards: Their Basis and Use.*	Index to hearings and selected mate- rials, July.
Radiation Safety and Regulation*-----	Hearings, June 12, 13, 14, and 15.
SL-1 Accident (AEC Investigation Board Report).*	Committee print, June.
1962 (87th Cong., 2d sess.)	
AEC Regulatory Problems***-----	Hearing, Apr. 17.
AEC Uranium Procurement Program*--	Hearings, June 18 and 19.
Atomic Energy Legislation through 87th Cong., 1st sess.* ²	Committee print.
Authorizing Legislation, 1963*-----	Hearings, Apr. 5 and 6, May 16, 17, 18, 21, and 29.
Development, Growth, and State of the Atomic Energy Industry (202's).*-	Hearings, Mar. 20-23.
Disposal of the Los Alamos Commu- nity.	Hearing, Apr. 23.
Indemnity and Reactor Safety*-----	Hearings, Apr. 10 and 11.
International Agreements for Coopera- tion.*	Hearing June 25.
Membership, Publications, and Other Pertinent Information Through the 87th Cong., 1st sess.* ²	Committee print, January.
Peaceful Uses of Atomic Energy*-----	Hearing, Apr. 10.
Proposed Arrangements for Electric Generating Facilities at Hanford New Production Reactor.***	Hearing, Sept. 27.
Radiation Standards, Including Fall- out. (Pts. 1 and 2.)*	Hearings, June 4-7.
Summary-Analysis*-----	Committee print, September.

² Current print now available.

*Out of print.

***Available only at the Office of the Joint Committee.

Review of AEC and Army Food Irradiation Program.*	Hearings, Mar. 6 and 7.
Space Nuclear Power Applications***	Hearings, Sept. 13, 14, and 19.
Tour of the U.S.S. <i>Enterprise</i> and Report on Joint AEC-Naval Reactor Program.	Hearing, Mar. 31.
U.S. Policy Toward the International Atomic Energy Agency.***	Hearing, Aug. 2.
Utility Proposal for Powerplant Addition to Hanford NPR.*	Committee print, July.
Do***	Hearings, July 10 and 11.
1963 (88th Cong., 1st sess.)	
AEC Authorizing Legislation, Fiscal Year 1964.*	Hearings, Apr. 9, 10, and May 2.
AEC Omnibus Bills for 1963 and 1964.* ³	Hearings, July 17, 1963, and May 19, 1964.
AEC Supplemental Authorizing Legislation, Fiscal Year 1964.*	Hearing, Oct. 31.
Atomic Energy Legislation Through 88th Cong., 1st sess. December 1963.* ²	Committee print.
Chemical Reprocessing Plant****	Hearing, May 14.
Cooperative Power Reactor Demonstration Program, 1963.***	Hearings, July 9, Aug. 7, and Oct. 15.
Development, Growth, and State of the Atomic Energy Industry:	
Part 1*-----	Hearings, Feb. 20, 21.
Part 2*-----	Hearings, Apr. 2, 3, 4, and 5.
Development in Technical Capabilities for Detecting and Identifying Nuclear Weapons Tests.***	Hearings, Mar. 5, 6, 7, 8, 11, and 12.
Fallout, Radiation Standards and Countermeasures:	
Part 1***-----	Hearings, June 3, 4, and 6.
Part 2***-----	Hearings, Aug. 20, 21, 22, and 27.
International Agreements for Cooperation.*** ³	Hearings, Sept. 5, 1963, Apr. 22 and June 30, 1964.
Membership, Publications, and Other Pertinent Information—88th Cong., 1st sess. (February 1963).* ²	Committee print.
Nevada Test Site Community*-----	Hearings, Sept. 12 and Oct. 16.
Nuclear Test Ban Treaty, Hearings before the Committee on Foreign Relations, the Committee on Armed Services and Senate Members of the Joint Committee on Atomic Energy.*	Hearings, Aug. 12, 13, 14, 15, 19, 20, 21, 22, 23, 26, and 27.
Nuclear Propulsion for Naval Surface Vessels.***	Hearings, Oct. 30, 31, and Nov. 13.
Do.*-----	Report, December.
Private Ownership of Special Nuclear Materials, 1963.***	Hearings, July 31 and Aug. 1.
Review of the Army Food Irradiation Program.*	Hearings, May 13.

1964 (88th Cong., 2d sess.)

AEC Authorizing Legislation, 1965:	
Part 1*-----	Hearing, Jan. 22, 23, 27, Feb. 3, 4, and 7.
Part 2*-----	Hearings, Feb. 5, 6, 18, 19, 20, and Mar. 4.
Part 3*-----	Hearings, Feb. 20, 25, 26, 27, Mar. 2, and 3.

² Current print available.³ Not printed until 1964.

* Out of print.

*** Available only at the Office of the Joint Committee.

AEC Omnibus Bills for 1963 and 1964*.	Hearings, July 17, 1963, and May 19, 1964.
Atomic Energy Legislation Through 88th Cong., 2d sess.* ²	Committee print, December.
Agreement for Cooperation With NATO for Mutual Defense Purposes.***	Hearings, July 30 and Aug. 18.
International Agreements for Cooperation.***	Hearings, Sept. 5, 1963, and Apr. 22 and June 30, 1964.
Loss of the U.S.S. <i>Thresher</i> ***-----	Hearings, June 26, 27, July 23, 1963, and July 1, 1964.
Nuclear Power Economics—Analysis Comments, 1964.***	Committee print, October.
Private Ownership of Special Nuclear Material, 1964.*	Hearings, June 9, 10, 11, 15, and 25.
Stanford Accelerator Power Supply----	Hearing, Jan. 20.
Use of Nuclear Power for the Production of Fresh Water from Salt Water.***	Hearing, Aug. 18.

1965 (89th Cong., 1st sess.)

AEC Authorizing Legislation, 1966:	
Part 1*-----	Hearings, Jan. 27, Feb. 2, 3, 4, 10, 16 and Mar. 10.
Part 2*-----	Hearings, Feb. 8, 9, 10 and Apr. 8.
Part 3*-----	Hearings, Mar. 11, 18, 19, 24, and Apr. 13.
Atomic Energy Legislation Through the 89th Cong., 1st sess.* ²	Committee print, December.
Current Membership, Publication, and Other Pertinent Information of the Joint Committee on Atomic Energy.* ²	Committee print, February.
Development, Growth, and State of the Atomic Energy Industry (202's).***	Hearings, Aug. 10 and 11 and Sept. 8.
Federal Radiation Council Protective Action Guides.*	Hearings, June 29 and 30.
High Energy Physics Program: Report on National Policy and Background Information.***	Committee print, February.
High Energy Physics Research*-----	Hearings, Mar. 2, 3, 4 and 5.
International Agreements for Cooperation.***	Hearings, Apr. 29, June 4 and July 13 and 27.
Peaceful Applications of Nuclear Explosives—Plowshare.*	Hearing, Jan. 5.
Proposed Amendment to Section 271 of the Atomic Energy Act of 1954.***	Hearings, May 27 and June 2.
Proposed Extension of AEC Indemnity Legislation.*	Hearings, June 22, 23 and 24.
Radiation Processing of Foods*-----	Hearings, June 9 and 10.
Selected Materials on Atomic Energy Indemnity Legislation.*	Committee print, June.
Space Nuclear Power Generators***---	Hearings, Aug. 6.

1966 (89th Cong., 2d sess.)

AEC Authorizing Legislation, 1967:	
Part 1*-----	Hearings, Jan. 25, Feb. 15 and Mar. 4 and 8.
Part 2*-----	Hearings, Feb. 16, 17, Mar. 3, 15 and 16.
Part 3*-----	Hearings, Feb. 2, Mar. 8, 9, 10, 11 and 15.
Atomic Energy Legislation Through the 89th Cong., 2d sess.* ²	Committee print, December.

² Current print now available.

* Out of print.

*** Available only at the Office of the Joint Committee.

Current Membership of the Joint Committee on Atomic Energy.* ²	Committee print, February.
International Agreements for Cooperation, 1966.*	Hearings, Jan. 27, May 26, June 28 and Aug. 25.
Enrico Fermi Reactor: Use for Irradiation Testing.**	Hearing, Apr. 5.
Naval Nuclear Propulsion Program***	Hearing, Jan. 26.
Nonproliferation of Nuclear Weapons (S. Res. 179).***	Hearings, Feb. 23 and Mar. 1 and 7.
Proposed Amendments to Price-Anderson Act Relating to Waiver of Defenses.**	Hearings, July 19, 20 and 21.
Proposed Large-Scale Combination Nuclear Power-Desalting Project.**	Hearing, Sept. 14.
Recordkeeping and Workmen's Compensation for Radiation Workers.*	Hearings, Aug. 30, 31, Sept. 20, 21 and 22.
Review of Developments in the Food Irradiation Programs.*	Hearing, Sept. 12.
Uranium Enrichment Services Criteria and Related Matter.**	Hearings, Aug. 2, 3, 4, 16 and 17.

1967 (90th Cong., 1st sess.)

AEC Authorizing Legislation, fiscal year 1968:	
Part 1*-----	Hearings, Jan. 25, Feb. 7, 8, 9 and 28.
Part 2*-----	Hearings, Mar. 14 and 15.
Part 3*-----	Hearings, Feb. 28, Mar. 2 and 3.
AEC Omnibus Legislation 1967***-----	Hearings, Aug. 11, 15 and 24.
Atomic Energy Legislation Through the 90th Cong., 1st sess.* ²	Committee print, December.
Impact of Chinese Communist Nuclear Weapons Progress on United States National Security.**	Committee print, July.
International Agreements for Cooperation, 1967-68.** ³	Hearings, Mar. 20, 1967 and June 25, 1968.
LaCrosse Boiling Water Reactor Project.* ⁴	Hearing, May 4.
Licensing and Regulation of Nuclear Reactors:	
Part 1***-----	Hearings, Apr. 4, 5, 6, 20 and May 3.
Part 2*-----	Hearings, Sept. 12, 13 and 14.
Naval Nuclear Propulsion Program, 1967-68.** ³	Hearings, Mar. 16, 1967 and Feb. 8, 1968.
Radiation Exposure of Uranium Miners:	
Part 1*-----	Hearings, May 9, 10, 23, June 6, 7, 8, 9, July 26, 27, and Aug. 8 and 10.
Part 2*-----	Backup and reference materials to part 1, above.
Scope, Magnitude and Implications of the United States Antiballistic Missile Program.**	Hearings, Nov. 6 and 7.

1968 (90th Cong., 2d sess.)

AEC Authorizing Legislation, fiscal year 1969:	
Part 1*-----	Hearings, Jan. 30, 31 and Feb. 5 and 6.
Part 2*-----	Hearings, Feb. 7 and 21.
Atomic Energy Legislation Through the 90th Cong., 2d sess.* ²	Committee print, December.
Commercial Plowshare Services*-----	Hearing, July 19.
Current Membership of the Joint Committee on Atomic Energy.* ²	Committee print, February.

² Current print now available.³ Not printed until 1968.⁴ Not printed until 1969.

* Out of print.

*** Available only at the Office of the Joint Committee.

International Agreements for Cooperation, 1967-68.**	Hearings, Mar. 20, 1967, and June 25, 1968.
Naval Nuclear Propulsion Program 1967-68.*	Hearings, Mar. 16, 1967, and Feb. 8.
Nuclear Power Economics, 1962 through 1967.*	Committee print, February.
Nuclear Submarine of Advanced Design:	
Part 1***	Hearing, June 21.
Part 2***	Hearing, July 19.
Participation by Small Electrical Utilities in Nuclear Power:	
Part 1*	Hearings, Apr. 30, May 1, 2, and 3.
Part 2*	Hearings, June 11, 12, and 13.
Radiation Exposure of Uranium Miners.**	Summary-Analysis of hearings, December 1967.
Status of Food Irradiation Program*..	Hearings, July 18 and 30.

1969 (91st Cong., 1st sess.)

AEC Authorizing Legislation, FY 1970:	
Part 1*	Hearings Apr. 17 and 18.
Part 2*	Hearings Apr. 24 and 25.
Part 3*	Hearings Apr. 29 and 30.
Atomic Energy Legislation through the 91st Cong., 1st sess.* ²	Committee print, December.
AEC Omnibus Legislation—1969***..	Hearing, Sept. 12, 1969.
Current Membership of the Joint Committee on Atomic Energy.* ²	Committee print, February.
Selected Materials on Environmental Effects of Producing Electric Power.**	Committee print, August (price \$4.60).
Environmental Effects of Producing Electric Power, Part 1.**	Hearings Oct. 28, 29, 30, and 31, Nov. 4, 5, 6, and 7 (price, \$8.50).
LaCrosse Boiling Water Reactor Project.*	Hearing May 4, 1967.
Naval Nuclear Propulsion Program, 1969.**	Hearing Apr. 23.
Nuclear Explosion Service for Industrial Application.*	Hearings May 8, 9, and July 17.
Prelicensing Antitrust Review of Nuclear Power Plants.**	Hearings Nov. 18, 19 and 20.
Radiation Standards for Uranium Mining.**	Hearings Mar. 17 and 18.
Selected Materials Concerning the Future Ownership of the AEC's Gaseous Diffusion Plants.*	Committee print, June.
Future Ownership of the AEC's Gaseous Diffusion Plants.*	Hearings July 8 and 9, Aug. 5, 7, and 8.

1970 (91st Cong., 2d sess.)

AEC Authorizing Legislation, fiscal year 1971:	
Part 1*	Hearings Feb. 3, 18, and 19.
Part 2*	Hearings Mar. 3 and 5.
Part 3*	Hearing Mar. 11.
Part 4*	Hearing Mar. 19.
Atomic Energy Legislation Through the 91st Cong., 2d sess.* ²	Committee print (Jan. 1971).
Current Membership of the Joint Committee on Atomic Energy.* ²	Committee print, March.
Environmental Effects of Producing Electric Power (Part 2).** ³	Hearings Jan. 27, 28, 29, 30, Feb. 24, 25, and 26.
Volume I**	Hearings (price, \$5.95).
Volume II**	Appendixes and index (price, \$6.60).

² Current print now available.³ Part 1 was printed in 1969.

* Out of print.

** Available only at the Government Printing Office.

*** Available only at the Office of the Joint Committee.

- Naval Nuclear Propulsion Program— Hearings Mar. 19 and 20.
1970*.
Prelicensing Antitrust Review of Nuclear Powerplants (Part 2)***³ Hearings Apr. 14, 15, and 16.
Uranium Enrichment Pricing Criteria* Hearings June 16 and 17.

1971 (92d Cong., 1st sess.)

AEC Authorizing Legislation, fiscal year 1972:

- Part 1* ----- Hearings Feb. 3, 4, and Mar. 2.
Part 2* ----- Hearing Mar. 4.
Part 3* ----- Hearings Mar. 9, 16, and 17.
Part 4* ----- Hearings Mar. 18, 23, and May 13
(price, \$4.25).
Report (H. Rept. 92-325; S. Rept. 92-249). June 30 and July 8.

AEC Licensing Procedure and Related Legislation:

- Part 1 ----- Hearings June 22, 23; July 13, 14
(price, \$1.75).
Part 2* ----- Appendixes 1 through 28.
Part 3 ----- Appendixes 29 through 46.
Part 4 ----- Appendixes 47 through 60.

Atomic Energy Legislation Through the 92d Cong., 1st sess.²

Committee print (January 1972).

Controlled Thermonuclear Research Program in the United States:

- Part 1 ----- Hearings Nov. 10, 11.
Part 2 ----- Appendixes.

Current Membership of the Joint Committee on Atomic Energy.*²

Committee print, March.

Naval Nuclear Propulsion Program— 1971***.

Hearing Mar. 10.

Nuclear Power and Related Energy Problems—1968 through 1970.*

Committee print, December.

Selected Materials on the Calvert Cliffs Decision, Its Origin and Aftermath.*⁵

Committee print, December.

Status of Current Technology to Identify Seismic Events as Natural or Man-made.**

Hearings October 27, 28 (price, \$1.50).

Status of Current Technology to Identify Seismic Events as Natural or Man-Made (Staff Analysis).***

Committee print.

Uranium Enrichment Pricing Criteria (Part 2)⁴.

Hearings Feb. 25, 1971 (price, 60 cents).

Use of Uranium Mill Tailings for Construction Purposes.

Hearings October 28, 29. (price, \$2.25).

1972 (92d Cong., 2d sess.)

AEC Authorizing Legislation, Fiscal Year 1973:

- Part 1** ----- Hearings Jan. 26, Feb. 3, and 17
(price, \$4.25).
Part 2** ----- Hearings Feb. 22 and 23 (price, \$1.50).
Part 3** ----- Hearings Feb. 29 and Mar. 1 (price, \$3.75).
Part 4** ----- Hearings Mar. 7, 8, and 9 (price \$3.75).
Part 5** ----- Volume 1, Environmental Statements 1 through 8.
Volume 2, Environmental Statements 9 through 15 (price, \$4.00).

² Current print now available.³ Part 1 was printed in 1969.⁴ Part 1 was printed in 1970.⁵ Printed in 1972.

* Out of print.

** Available only at the Government Printing Office.

*** Available only at the Office of the Joint Committee.

- Atomic Energy Legislation Through the 92d Congress, 2d Session.² Committee Print (March 1973)
- Current Membership of the Joint Committee on Atomic Energy. Committee Print, March 1972.
- H.R. 13731 and H.R. 13732, to Amend the Atomic Energy Act of 1954—Regarding Licensing of Nuclear Facilities:
- Part 1**-----Hearings March 16 and 17 (price, \$1.75).
- Part 2**-----Supplemental Materials (price, \$2.50).
- Liquid Metal Fast Breeder Reactor Demonstration Plant. Hearings Sept. 7, 8, and 12, 1972 (price, \$2.00).
- Nuclear Propulsion for Naval Warships. Hearing (and subsequent inquiry), May 5, 1971—Sept. 30, 1972 (price, \$2.70).

1973 (93d Cong., 1st Sess.)

AEC Authorizing Legislation, Fiscal Year 1974:

- Part 1*-----Hearing, January 30, 1973.
- Part 2*-----Hearings, February 6, 21, and 22 (price \$4.50).
- Part 3*-----Hearing, March 14.
- Part 4*-----Hearings, March 20 and 22.
- Part 5**-----Environmental statements (price \$5.05).
- Reports: Authorizing Appropriations for the Atomic Energy Commission for Fiscal Year 1974. H. Rept. 93-280, June 14, 1973. (S. Rept. 93-224, June 18, 1973.)
- Reports: Supplemental Authorization of Appropriations for the Atomic Energy Commission for Fiscal Year 1974. H. Rept. 93-619, November 1. (S. Rept. 93-487, November 7.)

Atomic Energy Legislation through the 93d Cong., 1st Session.²Current Membership of the Joint Committee on Atomic Energy.*²

Certain Background Information for Consideration when Evaluating the "National Energy Dilemma".*

Military Applications of Nuclear Technology (Part 1).

Military Applications of Nuclear Technology, (Part 2) (declassified).

Proposed Amendment to Euratom Cooperation Act of 1958 (S. 1993 and H.R. 8867).

Report: Amendment to Section 5 of the Euratom Cooperation Act of 1958, as amended.

Understanding the National Energy Dilemma.**

Proposed Changes in Basis for Cooperative Arrangement for the LMFBR.

Future Structure of the Uranium-Enrichment Industry—Phase I.

Future Structure of the Uranium Enrichment Industry (Phase II).

Current Status of AEC Controlled Thermonuclear Research Program.

Committee Print (July 1974).

Committee Print, April.

Committee Print, May.

Hearing (declassified), April 16 (price 60 cents).

Hearing, May 22 (price \$1.20).

Hearing, June 22 (price 60 cents).

H. Rept. 93-385, July 19. (S. Rept. 93-341, July 24.)

Committee Print, August (price \$2.45).

Hearings, February 28 and May 4 (price \$4.35).

Hearings, July 31 and August 1 (price \$1.70).

Hearings, October 2, 3, 4 (price \$3.10).

Hearing, July 25 (made part of Authorizing Legislation hearings, fiscal year 1975).

² Current print now available.

*Out of print.

**Available only at the Government Printing Office.

- Proposed Sale of LaCrosse Boiling Water Reactor to Dairyland Power Cooperative.³ Hearing, August 3.
- Naval Nuclear Propulsion Program—1972-73. (declassified). Hearings, February 8, 1972 and March 28, 1973 (price \$2.25).
- Nuclear Reactor Safety* Hearings, January 23, September 25, 26, 27, and October 1.
Hearing, December 11 (price \$5.20).
- To Consider Dec. 1, 1973 AEC Report on Energy Research and Development.
- Proposed Changes in AEC Contract Arrangements for Uranium Enriching Services.⁴ Hearings, March 7, 8, 26; and April 18 (price \$6.45).
- 1974 (93d Cong., 2d Sess.)
- AEC Authorizing Legislation, Fiscal Year 1975:
- Part 1----- Hearings, February 19, 1974 (price \$5.35).
- Part 2***----- Hearings, February 26 and 27, 1974.
- Part 3----- Hearings, February 28, 1974 (price \$3.95).
- Part 4----- Hearings, March 4 and 5, 1974 (price \$3.65).
- (Note: Included in this part is hearing of July 25, 1973, entitled, "Current Status of AEC Controlled Thermonuclear Research Program".)
- Reports: Authorizing Appropriations for the Atomic Energy Commission for Fiscal Year 1975. H. Rept. 93-969, April 3, 1974. (S. Rept. 93-773, April 8, 1974.)
- Reports: Supplemental Authorization of Appropriations for the Atomic Energy Commission for Fiscal Year 1975. H. Rept. 93-1434, October 7, 1974. (S. Rept. 93-1246, October 8, 1974.)
- Atomic Energy Legislation through the 93d Cong., 2d Session.² Committee Print (July 1975).
- Current Membership of the Joint Committee on Atomic Energy.² Committee Print, August.
- Nuclear Reactor Safety:
- Part 2: Volume I: Phases IIb and III.** Hearings, January 22, 23, 24, and 28, 1974 (price \$4.60).
- Part 2: Volume II**----- Appendixes (price \$5.55).
- Selected Materials on Atomic Energy Indemnity and Insurance Legislation. Committee Print, March (price \$4.00).
- Possible Modification or Extension of the Price-Anderson Act:
- (Phase I)**----- Hearings, January 31, March 27 and 28, 1974 (price \$3.55).
- (Phase II)**----- Hearings, May 9, 10, 14, 15, and 16, 1974 (price \$3.45).
- Reports: Revising and Amending the Price-Anderson Indemnity Provisions of the Atomic Energy Act of 1954, as amended. H. Rept. 93-1115, June 18, 1974. (S. Rept. 93-1027, July 23, 1974.) (Conf. Rept. 93-1306, August 20, 1974.)

¹ Current print now available.

² Printed in 1974.

³ Printed in 1975.

* Out of print.

** Available only at the Government Printing Office.

*** Available only at the office of the Joint Committee.

AEC Omnibus Legislation:—1974 [See below]

Proposed Amendment to Section 54 of the Atomic Energy Act of 1954, as amended, to enable Congress to concur in or disapprove international agreements for cooperation in regard to certain nuclear technology: S. 3253 and H.R. 13896—To delete the requirement that Congress authorize amounts of special nuclear material which may be distributed to a group or nations. [Subcommittee on Agreements for Cooperation].

Reports: Amending the Atomic Energy Act of 1954, as Amended, To Enable Congress to Concur in or Disapprove Certain International Agreements for Peaceful Cooperation.

Conference Report: International Nuclear Agreement Congressional Review Act.

Testimony on H.R. 14849; S. 3502; Foreign distribution of special nuclear materials and S. 3669; H.R. 15416, Atomic weapons and special nuclear rewards.

Reports: AEC Omnibus Legislation—1974.

[Hearing held April 30, 1974, printed with hearing of June 18 (see below) (price 90 cents).]

H. Rept. 93-1149, June 25, 1974. (S. Rept. 93-964, June 25, 1974.)

(Conf. Rept. 93-1299, August 19, 1974.)

[Hearing held June 18, 1974, printed with hearing of April 30 (see above).]

H. Rept. 93-1155, June 26, 1974. (S. Rept. 93-989, July 9, 1974.)

(The two preceding legislative hearings were printed in one volume.)

Transportation of Radioactive Material by Passenger Aircraft.
Proliferation of Nuclear Weapons-----

Committee Print, September (price 45 cents).

Hearing, September 10, 1974 (price 75 cents).

Development, Growth, and State of the Nuclear Industry.

Hearings, February 5 and 6, 1974 (price \$5.00).

Nuclear Powerplant Siting and Licensing:

Volume I**-----

Hearings, March 19, 20, 21, 22; April 24, 25, 26, and May 1, 1974 (price \$7.55).

Volume II**-----

Appendixes (price \$5.30).

Uranium Mill Tailings in the State of Utah.

Hearing, March 12, 1974.

Note: This hearing will be published in 1976 ERDA authorizing legislation hearings.

Naval Nuclear Propulsion Program—1974 (declassified).

Hearing, February 25, 1974 (price \$1.10).

Future Structure of the Uranium Enrichment Industry (Phase III):

Part III: Volume I**-----

Hearings, June 25, 26, 27; July 16, 17, 18, 30, 31; August 6; November 26; and December 3, 1974 (price \$6.30).

AEC Weapons Program Authorization Request, Fiscal Year 1975 (declassified).

Hearing, February 20, 1974 (price 30 cents).

Proposed Modification of Restrictions on Enrichment of Foreign Uranium for Domestic Use.

Hearings, September 17 and 18, 1974 (price \$2.30).

Request for Supplemental Fiscal Year 1975 Funds for AEC Nuclear Weapons Testing***-----

Hearing, September 23, 1974.

*Out of print.

**Available only at the Government Printing Office.

***Available only at the office of the Joint Committee;

- Solar Energy Research and Development. Hearings, May 7 and 8, 1974 (price \$6.70).
 To Consider NATO Matters.----- Hearing, February 19, 1974 (price .45 cents).
 Nomination of Dr. Robert C. Seamans, Jr., To Be Administrator, Energy Research and Development Administration.***¹ Hearing, December 11, 1974.
 Nominees to the Nuclear Regulatory Commission.***¹ Hearings, December 10 and 18, 1974.

1975 (94th Cong., 1st Sess.)

ERDA Authorizing Legislation Fiscal Year 1976:

- Part 1----- Hearing, Feb. 4, 1975 (price \$9.35).
 Part 2----- Hearings, Feb. 18 and 27, 1975 (price \$3.45).
 Part 3----- Hearings, March 4 and 6, 1975 (price \$6.30).
 Part 4----- Hearings, March 11 and 13, 1975 (price \$10.30).
 Reports: Authorizing Appropriations for the Energy Research and Development Administration for Fiscal Year 1976 and for the Transition Quarter ending September 30, 1976. S. Report 94-104, May 6, 1975.

(Note: Report titled as above filed in House jointly with House Committee on Science and Technology).
 II. Report 94-294, June 13, 1975.

- Atomic Energy Legislation through 93d Congress, 2d Session. Committee Print, July 1975 (price \$4.25).
 Proposals for International Cooperation in Nuclear Energy. Hearing, Feb. 6, 1975 (price .35 cents).
 Nuclear Regulatory Commission Action Requiring Safety Inspections which Resulted in Shutdown of Certain Nuclear Powerplants. Hearing, Feb. 5, 1975 (price \$2.75).

(Note: The above hearing was held jointly with Senate Committee on Government Operations.)

- Nuclear Regulatory Commission Fiscal Year 1975 Supplemental Authorization Request. Hearing, Feb. 20, 1975.

Reports: Authorizing Supplemental Appropriations to the Nuclear Regulatory Commission for Fiscal Year 1975. S. Report 94-50, March 20, 1975.
 (H. Report 94-100, March 20, 1975).

- Nuclear Regulatory Commission Authorizing Legislation Fiscal Year 1976.*** Hearing, March 19, 1975.

Reports: Authorizing Appropriations for the Nuclear Regulatory Commission for Fiscal Year 1976 and for the Transition Quarter Ending September 30, 1976.----- S. Report 94-174, June 4, 1975.
 (H. Report 94-260, June 4, 1975).

- Current Membership of the Joint Committee on Atomic Energy, Congress of the United States.*** Committee Print, April 1970.

- Issues for Consideration: Review of the National Breeder Reactor Program. Committee Print, August 1975 (price \$5.55).

¹ Nomination hearing held before Senate section of Joint Committee.

***Available only at the office of the Joint Committee.

- Markup of S. 598 and H.R. 3474: ERDA Authorizing Legislation, Fiscal Year 1976. Committee Print, April 24, 1975.
- Development, Use, and Control of Nuclear Energy for the Common Defense and Security and for Peaceful Purposes (First Annual Report of the Joint Committee). Committee Print, June 30, 1975 (price \$1.30).
- Naval Nuclear Propulsion Program—1975 (declassified). Hearing, Mar. 5, 1975 (price \$1.55).
- S. 1378 and H.R. 5698: Assistance Payments to Anderson County and Roane County, Tennessee (Held at Oak Ridge, Tennessee). Hearing, May 9, 1975.
(Note: Legislation included in ERDA Authorization).
- Markup on Nuclear Regulatory Commission Fiscal Year 1976 Authorization. Committee Print, August 1975.
- Browns Ferry Nuclear Plant Fire----- Hearing, Sept. 16, 1975.
- H.R. 8631: To Amend and Extend the Price-Anderson Act. Hearings, Sept. 23 and 24, 1975.
- Reports: Amendments to the Price-Anderson Provisions of the Atomic Energy Act of 1954, as Amended, to Provide for Phase-out of Governmental Indemnity, and Related Matters. S. Report 94-454, Nov. 13, 1975.
(H. Report 94-648, Nov. 10, 1975).
- Toward Project Independence: Energy in the Coming Decade. Committee Print, December 1975 (price \$2.55).
- Markup on H.R. 8631 and S. 2568: Price-Anderson Act Amendments. Committee Print, Oct. 31 and Nov. 6, 1975.
- Storage and Disposal of Radioactive Waste. Hearing, Nov. 19, 1975 (price \$3.10).
- S. Con. Res. 13: Proposed Increase in the Amount of Enriched Uranium Which May Be Distributed to the International Atomic Energy Agency (IAEA). S. Report 94-8, Feb. 13, 1975.
- H. Con. Res. 115 (same as above)----- H. Report 94-9, Feb. 13, 1975.
- S. Con. Res. 14: Proposed Increase in the Amount of Enriched Uranium Which May Be Distributed to the European Atomic Energy Community (EURATOM). S. Report 94-9, Feb. 13, 1975.
- H. Con. Res. 116 (same as above)----- H. Report 94-10, Feb. 13, 1975.
- S. Con. Res. 15: Proposed Extension of Existing Research Agreement for Cooperation Between the United States and Israel Concerning Civil Uses of Atomic Energy. S. Report 94-10, Feb. 13, 1975.
- H. Con. Res. 114 (same as above)----- H. Report 94-8, Feb. 13, 1975.
- Review of the LMFBR Program----- Hearings, April 29; May 1, 6, 7; June 10, 11, 17, 18, 24; July 10 and 17, 1975 (to be published).
Hearings, June 10 and Nov. 11, 1975 (to be published).
- S. 1717 and H.R. 7002: Proposed Nuclear Powerplant Siting and Licensing legislation. Committee Print (price \$2.20).
- Review of National Breeder Reactor Program. Hearings, Dec. 2, 3, 4, 9, and 10, 1975 (price \$6.40).
- S. 2035 and H.R. 8401: Nuclear Fuel Assurance Act of 1975. Hearing, Oct. 14, 1975.
- S. 2435 and H.R. 9948: To Amend the Atomic Energy Community Act with Regard to Financial Assistance Payments to the County of Los Alamos and the Los Alamos Schools. ***

*** Available only at the office of the Joint Committee.

X. LEGISLATIVE REPORTS OF THE JOINT COMMITTEE ON ATOMIC ENERGY, 1948-75¹

1948 (80TH CONG., 2D SESS.)

Subject	Bill No.	Date	Report No.
Amending the Atomic Energy Act of 1946 so as to provide that no person shall take office as a member of the Atomic Energy Commission or as General Manager of such Commissions until an investigation with respect to the character, associations, and loyalty of such person shall have been made by the Federal Bureau of Investigation.	S. 1004..... H.R. 5216.....	Jan. 30 Feb. 2	S. Rept. 851. H. Rept. 1290.
		Vetoed by the President May 15; Senate failed to pass over veto May 21, 1948.	
Development and Control of Atomic Energy (first report of the Joint Committee on Atomic Energy to the Congress of the United States).	Jan. 30	S. Rept. 850.
	do.....	H. Rept. 1289.
Supplemental report, to accompany H.R. 5216, amending the Atomic Energy Act of 1946 so as to provide that no person shall take office as a member of the Atomic Energy Commission or as General Manager of such Commission until an investigation with respect to the character, associations, and loyalty of such person shall have been made by the Federal Bureau of Investigation.	H.R. 5216.....	Feb. 17	H. Rept. 1290, pt. 2.
Providing for extension of the terms of office of the present members of the Atomic Energy Commission.	S. 2589..... H.R. 6402..... S. 2589..... H.R. 6402.....	May 17 May 24 do.....	S. Rept. 1342. H. Rept. 1973. S. Rept. 1342, pt. 2, minority views. H. Rept. 1973, pt. 2, minority views.

1949 (81ST CONG., 1ST SESS.)

Amending the Atomic Energy Act, to provide for changes in the Military Liaison Committee.	S. 2372..... H.R. 5884.....	Aug. 8 do.....	S. Rept. 934. H. Rept. 1282.
Amending the Independent Offices Appropriations Act for fiscal year 1950.	S. 2668.....	Sept. 18	S. Rept. 1201.
Investigation into the United States Atomic Energy Commission.....	Oct. 13 Oct. 26	S. Rept. 1169; pt. 2, (minority views).
Retrocede to the State of New Mexico exclusive jurisdiction over lands within the boundaries of Los Alamos, N. Mex., project of the U.S. Atomic Energy Commission.	S. 152.....	Feb. 21	S. Rept. 76.

1950 (81ST CONG., 2D SESS.)

To amend the Atomic Energy Act of 1946, sec. 2, AEC Commissioners' salaries.	S. 3437..... H.R. 8103.....	Aug. 30	S. Rept. 2493.
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1951 (82D CONG., 1ST SESS.)

Development and Control of Atomic Energy (report of the Joint Committee on Atomic Energy to the Congress of the United States.)	Oct. 19	S. Rept. 1041.
To amend the Atomic Energy Act of 1946, making it unlawful to possess or transfer any fissionable material except as authorized by the Commission.	S. 2233..... H.R. 5546.....	Oct. 8 do.....	S. Rept. 894. H. Rept. 1104.

1952 (82D CONG., 2D SESS.)

Report on Raw Materials by the Joint Committee on Atomic Energy.	July 2	H. Rept. 2449.
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See footnotes at end of table.

1953 (83D CONG., 1ST. SESS)

Subject	Bill No.	Date	Report No.
To amend sec. 9(b) of the Atomic Energy Act of 1946, re State and local taxation.	S. 671..... H.R. 6669.....	July 28	S. Rept. 694.
To amend the Atomic Energy Act of 1946, as amended, re long-term utility contracts.	S. 2239..... H.R. 4905.....	June 29	S. Rept. 477.
To amend the Atomic Energy Act, as amended.....	S. 2399.....	July 18	S. Rept. 604.

1954 (83D CONG., 2D SESS.)

Amending the Atomic Energy Act of 1946, as amended, and for other purposes.	S. 3690..... H.R. 9757.....	June 30 July 12 Aug. 6 Aug. 16	S. Rept. 1699. H. Rept. 2181. H. Conf. Rept. 2639. H. Conf. Rept. 2666.
Atomic Weapons Rewards Act of 1954.....	S. 3851..... H.R. 10203.....	Aug. 14 Aug. 16	S. Rept. 2488. H. Rept. 2660.

1955 (84TH CONG., 1ST SESS.)

Atomic Weapons Rewards Act of 1955.....	S. 609..... H.R. 6901.....	June 22 June 23	S. Rept. 622. H. Rept. 901.
To authorize the Atomic Energy Commission to construct a modern office building in or near the District.	S. 1722..... H.R. 5645.....	Apr. 18 Apr. 19	S. Rept. 142. H. Rept. 424.
To authorize appropriations for the Atomic Energy Commission..	S. 2220..... H.R. 6795.....	June 14 do..	S. Rept. 538. H. Rept. 787.
To amend sec. 212 of the Merchant Marine Act of 1936 to authorize the construction of a nuclear-powered merchant ship.	S. 2523..... H.R. 7038 ¹	July 30 do.. July 21, 1956.	S. Rept. 1269. H. Rept. 1604. H. Conf. Rept. 2870.
To facilitate the establishment of self-government at the communities of Oak Ridge, Tenn., and Richland, Wash.	S. 2630..... H.R. 7576.....	July 25 do..	S. Rept. 1140. H. Rept. 1402.
To authorize the Atomic Energy Commission to pay the salary of a Commissioner during the recess of the Senate, and for other purposes.	S. 2671..... H.R. 7684.....	July 28 do..	S. Rept. 1198. H. Rept. 1525

1956 (84TH CONG., 2D SESS.)

Relating to the compensation of the executive director of the Joint Committee on Atomic Energy.	S.J. Res. 138..... H.J. Res. 514.....	Feb. 6 do..	S. Rept. 1470. H. Rept. 1745.
To authorize appropriations for the Atomic Energy Commission for acquisition or condemnation of real property or any facilities.	S. 3673..... H.R. 10387.....	Apr. 18 Apr. 10	S. Rept. 1763. H. Rept. 1993.
To amend the Atomic Energy Community Act of 1955 and for other purposes.	S. 3822..... H.R. 11077.....	July 11 July 12	S. Rept. 2528. H. Rept. 2693.
To amend Public Law 506, 84th Cong., 2d sess., to increase the authorization for appropriations to the Atomic Energy Commission for acquisition of real property.	S. 4288..... H.R. 11709.....	July 26 do..	S. Rept. 2808. H. Rept. 2572.
To amend the Atomic Energy Act of 1954, to permit the negotiation of commercial leases at atomic energy communities.	H.R. 11926..... No Senate bill.....	June 29 do..	H. Rept. 2431. S. Rept. 2384.
To amend the Atomic Energy Act of 1954, as amended, and for other purposes.	S. 4112..... H.R. 12050.....	June 22 June 29	S. Rept. 2298. H. Rept. 2531.
Providing for a civilian atomic power accelerating program.....	S. 4146..... H.R. 12061.....	do.. July 5	S. Rept. 2390. H. Rept. 2622.
To amend the Atomic Energy Act of 1954, as amended, to increase the salaries of certain executives of the Atomic Energy Commission.	S. 4162..... H.R. 12094.....	July 3 do..	S. Rept. 2404. H. Rept. 2589.
To amend the Atomic Energy Act of 1954, as amended, and for other purposes.	S. 4203..... H.R. 12215.....	July 11 July 12	S. Rept. 2530. H. Rept. 2695.
To promote the common defense and general welfare of the people of the United States by encouraging maximum development of low-cost electric energy.	S. 2643..... H.R. 9743.....	July 11 July 12	S. Rept. 2529. H. Rept. 2694.

See footnotes at end of table.

1957 (85TH CONG., 1ST SESS.)

Subject	Bill No.	Date	Report No.
To amend the Atomic Energy Act of 1954, and for other purposes, re reactor agreement with West Germany.	H.R. 5866.....	Mar. 26	H. Rept. 228.
	S. 1549.....	Mar. 27	S. Rept. 191.
To amend Public Law 31, 84th Cong., to increase the authorization for the AEC for construction of a modern office building.	H.R. 6978.....	July 6	H. Rept. 539.
	S. 1918.....	June 6	S. Rept. 413.
Amending the Atomic Energy Act of 1954, as amended, providing governmental indemnity and granting limitation of liability to persons in the atomic energy program.	H.R. 7383.....	May 9	H. Rept. 435.
	S. 2051.....	do.	S. Rept. 296.
Congressional review of the atomic power program.....	H.R. 7992.....	June 14	H. Rept. 571.
	S. 2243.....	do.	S. Rept. 437.
To provide for the appointment of representatives of the United States to the IAEA.	H.R. 8992.....	July 31	H. Rept. 960.
	S. 2673.....	Aug. 19	H. Conf. Rept. 2200.
		July 31	S. Rept. 773.
To amend the Atomic Energy Act or 1954, as amended, to increase the salaries of certain executives of the Atomic Energy Commission.	H.R. 8994.....	Aug. 2	H. Rept. 977.
	S. 2672.....	do.	S. Rept. 790.
To authorize appropriations for the Atomic Energy Commission..	H.R. 8996.....	do.	H. Rept. 972.
	S. 2674.....	Aug. 20	H. Conf. Rept. 1204.
		Aug. 2	S. Rept. 791.

1958 (85TH CONG., 2D SESS.)

To amend Public Law 85-162 to increase the authorization for appropriations to the Atomic Energy Commission.	H.R. 12009.....	Apr. 22	H. Rept. 1612.
	S. 3632.....	do.	S. Rept. 1465.
Increasing the authorization for the AEC, to further amend Public Laws 85-162 and 84-141.	H.R. 12457.....	June 24	H. Rept. 1940.
	S. 3788.....	do.	S. Rept. 1747.
To amend the Atomic Energy Act of 1954, as amended.....	H.R. 12716.....	June 5	H. Rept. 1843.
	S. 3912.....	June 27	H. Conf. Rept. 2051.
		June 5	S. Rept. 1654.
To authorize appropriations for the AEC.....	H.R. 13121.....	July 2	H. Rept. 2108.
	S. 4051.....	July 22	H. Conf. Rept. 2236.
		July 2	S. Rept. 1793.
Amending the Atomic Energy Act of 1954, as amended, re sec. 170.	H.R. 13455.....	July 22	H. Rept. 2250.
	S. 4164.....	Aug. 13	H. Conf. Rept. 2555.
		July 22	S. Rept. 1832.
To amend the Atomic Energy Act of 1954, as amended.....	H.R. 13456.....	do.	H. Rept. 2253.
	S. 4165.....	do.	S. Rept. 1833.
Do.....	H.R. 13482.....	July 21	H. Rept. 2272.
	S. 4166.....	do.	S. Rept. 1944.
To provide for cooperation with the European Atomic Energy Community.	H.R. 13749.....	Aug. 15	H. Rept. 2547.
	S. 4273.....	Aug. 14	S. Rept. 2370.
Concurrent resolution to approve agreement with Euratom.....	S. Con. Res. 116.....	do.	S. Rept. 2372.
	H. Con. Res. 376.....	Aug. 15	H. Rept. 2648.

1959 (86TH CONG., 1ST SESS.)

To amend the Atomic Energy Act of 1954, as amended, sec. 251..	S. 1197.....	Apr. 27	S. Rept. 230.
	H.R. 5104.....	Apr. 29	H. Rept. 327.
Increasing the authorization for appropriations to the Atomic Energy Commission.	S. 1228.....	Apr. 27	S. Rept. 229.
	H.R. 5105.....	Apr. 29	H. Rept. 328.
To authorize appropriations for the Atomic Energy Commission..	S. 2094.....	June 11	S. Rept. 386.
	H.R. 7537.....	June 10	H. Rept. 529.
To amend the Atomic Energy Act of 1954, as amended.....	S. 2569.....	Sept. 1	S. Rept. 871.
	H.R. 8754.....	Sept. 2	H. Rept. 1124.
To amend the Atomic Energy Act of 1954, as amended, with respect to cooperation with States.	S. 2468.....	Sept. 1	S. Rept. 870.
	H.R. 8755.....	Sept. 2	H. Rept. 1125.
Atomic energy, United States and Greece.....	H. Con. Res. 245 ³	July 15	H. Rept. 657.
Atomic energy, United States and Germany.....	H. Con. Res. 246 ¹	do.	H. Rept. 658.
Atomic energy, United States and Netherlands.....	H. Con. Res. 247 ¹	do.	H. Rept. 659.
Atomic energy, United States and Turkey.....	H. Con. Res. 248 ¹	do.	H. Rept. 650.
Atomic energy, United States and France.....	H. Con. Res. 249 ¹	do.	H. Rept. 661.
Atomic energy, United States and Great Britain, agreement.....	H. Con. Res. 251 ¹	do.	H. Rept. 662.
Atomic energy, United States and Canada, agreement.....	H. Con. Res. 254 ¹	do.	H. Rept. 663.

1960 (86TH CONG., 2d SESS.)

To authorize appropriations for the Atomic Energy Commission..	S. 3387.....	Apr. 19	S. Rept. 1277.
	H.R. 11713.....	do.	H. Rept. 1525.

1961 (87TH CONG., 1ST SESS.)

To authorize construction of community support facilities at Los Alamos County, N. Mex.	H.R. 7209.....	May 24	H. Rept. 426.
	S. 1941.....	do.	S. Rept. 283.
Authorizing appropriations for the Atomic Energy Commission....	H.R. 7576.....	June 21	H. Rept. 562.
	S. 2043.....	Aug. 31	Conf. Rept. 1101.
		June 21	S. Rept. 441.
To amend the Atomic Energy Act of 1954, as amended, and the Euratom Cooperation Act of 1958, and for other purposes.	H.R. 8599.....	Aug. 16	H. Rept. 963.
	S. 2391.....	do.	S. Rept. 746.

See footnotes at end of table.

1962 (87TH CONG., 2D SESS.)

Subject	Bill No.	Date	Report No.
Authorizing appropriations for the Atomic Energy Commission...	H.R. 11974..... S. 3392.....	June 21 Sept. 11	H. Rept. 1871. H. Conf. Rept. 2342.
Amending the Atomic Energy Act of 1954, as amended, and for other purposes.	H.R. 12336..... S. 3491.....	June 29 July 5	S. Rept. 1671. H. Rept. 1966.
Disposal of the Los Alamos community.....	H.R. 12718..... S. 3580.....	Aug. 1 do.	S. Rept. 1677. H. Rept. 2113. S. Rept. 1792.

1963 (88TH CONG., 1ST SESS.)

To authorize appropriations for the Atomic Energy Commission...	S. 1745.....	June 24	S. Rept. 303.
	H.R. 7139.....	do.	H. Rept. 446.
Supplemental authorization of appropriations for the Atomic Energy Commission for fiscal year 1964, to amend Public Law 88-72.	S. 2267..... H.R. 8971.....	Nov. 20 do.	S. Rept. 647. H. Rept. 911.

1964 (88TH CONG., 2D SESS.)

To amend the Atomic Energy Act of 1954, sec. 202.....	S. 2448.....	Feb. 25	S. Rept. 877.
	H.R. 9711.....	do.	H. Rept. 1151.
To authorize appropriations for the Atomic Energy Commission...	S. 2755.....	Apr. 21	S. Rept. 987.
	H.R. 10945.....	do.	H. Rept. 1332.
To amend the Atomic Energy Act of 1954, as amended, the Atomic Energy Community Act of 1955, as amended, and the Euratom Cooperation Act of 1958, as amended.	S. 2963.....	June 30	S. Rept. 1128.
	H.R. 11832.....	do.	H. Rept. 1525.
Amending the Atomic Energy Act of 1954, to provide for private ownership of special nuclear materials.	S. 3075.....	Aug. 5	S. Rept. 1325.
	H.R. 12228.....	do.	H. Rept. 1702.

1965 (89TH CONG., 1ST SESS.)

To authorize appropriations to the Atomic Energy Commission...	H.R. 8122.....	May 13	H. Rept. 349.
	S. 1957.....	May 14	S. Rept. 191.
To amend sec. 170 of the Atomic Energy Act of 1954, as amended...	H.R. 8496.....	Aug. 26	H. Rept. 883.
	S. 2042.....	do.	S. Rept. 650.
To amend sec. 271 of the Atomic Energy Act of 1954, as amended...	H.R. 8856.....	June 30	H. Rept. 567.
	S. 2103.....	do.	S. Rept. 390.

1966 (89TH CONG., 2D SESS.)

To authorize appropriations to the Atomic Energy Commission...	H.R. 14732.....	May 3	H. Rept. 1471.
	S. 3293.....	do.	S. Rept. 1142.
To amend Public Law 89-428 to authorize the Atomic Energy Commission to enter into a cooperative arrangement for large-scale nuclear-desalting project.	H.R. 17558.....	Sept. 28	H. Rept. 2145.
	S. 3807.....	do.	S. Rept. 1662.
To amend the Atomic Energy Act of 1954, as amended.....	H.R. 17685.....	Sept. 14	H. Rept. 2043.
	S. 3830.....	Sept. 16	S. Rept. 1605.
Nonproliferation of nuclear weapons.....	S. Res. 179.....	May 11	S. Rept. 1141.

1967 (90TH CONG., 1ST SESS.)

To authorize appropriations to the Atomic Energy Commission...	H.R. 10918.....	June 19	H. Rept. 369.
	S. 1963.....	June 23	S. Rept. 349.
To amend the Atomic Energy Community Act of 1955, as amended the Atomic Energy Act of 1954, as amended and the Euratom Cooperation Act of 1958, as amended.	H.R. 13934.....	Nov. 9	H. Rept. 911.
	S. 2644.....	Nov. 13	S. Rept. 743.

1968 (90TH CONG., 2D SESS.)

To authorize appropriations to the Atomic Energy Commission...	H.R. 16324.....	Apr. 2	H. Rept. 1266.
	S. 3262.....	Apr. 3	S. Rept. 1074.

1969 (91ST CONG., 1ST SESS.)

To authorize appropriations to the Atomic Energy Commission...	H.R. 12167.....	June 16	H. Rept. 315.
	S. 2416.....	June 18	S. Rept. 244.
To amend the Atomic Energy Act of 1954, as amended.....	H.R. 14925.....	Nov. 24	H. Rept. 691.
	S. 3169.....	do.	S. Rept. 553.

See footnotes at end of table.

1970 (91ST CONG., 2D SESS.)

Subject	Bill No.	Date	Report No.
To authorize appropriations to the Atomic Energy Commission.....	H.R. 17405.....	May 4	H. Rept. 1036.
	S. 3818.....	May 11	S. Rept. 852.
To amend the Atomic Energy Act, as amended.....	H.R. 18679.....	Sept. 24	H. Rept. 1470.
	S. 4141.....	Sept. 29	S. Rept. 1247.
Supplemental authorization of appropriations for the Atomic Energy Commission for fiscal year 1971, to amend Public Law 91-273	H.R. 19908.....	Sept. 7	H. Rept. 1677.
	S. 4557.....	do.....	S. Rept. 1414.

1971 (92D CONG., 1ST SESS.)

To authorize appropriations to the Atomic Energy Commission.....	H.R. 9388.....	June 30	H. Rept. 325.
	S. 2150.....	July 8	S. Rept. 249.

1972 (92D CONG., 2D SESS.)

To authorize temporary operating permits.....	H.R. 14655.....	Apr. 26	H. Rept. 1027.
	S. 3543.....	Apr. 27	S. Rept. 787.
To authorize appropriations to the Atomic Energy Commission.....	S. 3607.....	May 16	S. Rept. 802.
	H.R. 14990.....	May 16	H. Rept. 1066.

1973 (93D CONG., 1ST SESS.)

To authorize appropriations to the Atomic Energy Commission.....	H.R. 8662.....	June 14	H. Rept. 93-280.
	S. 1994.....	June 18	S. Rept. 93-224.
To amend the EURATOM Cooperation Act of 1958.....	S. 1993.....	July 24	S. Rept. 93-341.
	H.R. 8867.....	July 19	S. Rept. 93-385.
Supplemental authorization for appropriations for the Atomic Energy Commission for fiscal year 1974, to amend Public Law 93-60.	S. 2645.....	Nov. 7	S. Rept. 93-487.
	H.R. 11216.....	Nov. 1	H. Rept. 93-619.

1974 (93D CONG., 2D SESS.)

To authorize appropriations to the Atomic Energy Commission.....	H.R. 13919.....	Apr. 3.....	H. Rept. 969.
	S. 3292.....	Apr. 8.....	S. Rept. 773.
Revising and amending the Price-Anderson indemnity provisions of the Atomic Energy Act of 1954, as amended.	H.R. 15323.....	June 18.....	H. Rept. 1115.
AEC omnibus legislation.....		July 23.....	S. Rept. 1027.
	H.R. 15416.....	June 26.....	H. Rept. 1155.
	S. 3669.....	July 9.....	S. Rept. 989.
Amending the Atomic Energy Act of 1954, as amended, to enable Congress to concur in or disapprove certain international agreements for cooperation.	H.R. 15582.....	June 25.....	H. Rept. 1149.
Annual reports to Congress on nuclear Information.....	S. 3698.....	June 25.....	S. Rept. 964.
	H.R. 16074.....	Oct. 2.....	H. Rept. 1414.
	S. 3802.....	Oct. 4.....	S. Rept. 1228.
Supplemental authorization of appropriations for the Atomic Energy Commission for fiscal year 1975, to amend Public Law 93-276.	H.R. 16609.....	Oct. 7.....	H. Rept. 1434.
	S. 4033.....	Oct. 8.....	S. Rept. 1246.
To facilitate the entry into foreign ports of U.S. nuclear warships..	H.J. Res. 1161.....	Oct. 16.....	H. Rept. 1467.
	S.J. Res. 248.....	Oct. 16.....	S. Rept. 1281.
To designate a national laboratory as the Holifield National Laboratory.	H.R. 17628.....	Dec. 17.....	H. Rept. 1612.

1975 (94TH CONG., 1ST SESS.)

Supplemental authorization of appropriations for the Nuclear Regulatory Commission for fiscal year 1975.	H.R. 4224.....	Mar. 20	H. Rept. 94-100.
	S. 994.....	do.....	S. Rept. 94-50.
To authorize appropriations for the Nuclear Regulatory Commission.	H.R. 7001.....	June 4	H. Rept. 94-260.
	S. 1716.....	do.....	S. Rept. 94-174.
To authorize appropriations for the Energy Research and Development Administration.	H.R. 3474.....	June 13	H. Rept. 94-294.
	S. 598.....	May 6	S. Rept. 94-104.
Amendments to the Price-Anderson provisions of the Atomic Energy Act of 1954, as amended, to provide for the phaseout of governmental indemnity, and related matters.	H.R. 8631.....	Nov. 10	H. Rept. 94-648.
	S. 2568.....	Nov. 13	S. Rept. 94-454.

¹ The Joint Committee on Atomic Energy was established by the Atomic Energy Act of 1946 (Public Law 79-585, approved Aug. 1, 1946; see S. 1717, reported on Apr. 19, 1946, by the Senate Special Committee on Atomic Energy (S. Rept. 1211) and on July 10, 1949, by the House Committee on Military Affairs (H. Rept. 2478), and on July 25, 1946, by the committee of conference (H. Conf. Rept. 2670)). The committee was first organized on Aug. 2, 1946, but did not become fully operative until the convening of the 80th Cong. in 1947. No reports on legislation were issued by the Joint Committee either in 1946 or 1947.

² This bill was first referred to the Commerce Committee, then referred to the Joint Committee, and finally back to the Commerce Committee.

³ Reported adversely.

XI. INTERNATIONAL AGREEMENTS FOR COOPERATION

A. JOINT COMMITTEE REPORTS ON AGREEMENTS FOR COOPERATION

Subject	Date	Report No.
84th Cong., 1st sess.: Report of the proposed agreement for cooperation with NATO for cooperation regarding atomic information.	May 4, 1955	S. Rept. 267.
Proposed agreements for cooperation between the Turkish Republic and the United States, the United States of Brazil and the United States, and the Republic of Colombia and the United States.	June 17, 1955	S. Rept. 572.
Proposed agreements for cooperation concerning the civil uses of atomic energy between the Government of the United States of America and the Government of Belgium; the Government of the United States of America and the Government of Canada; and the Government of the United States of America and the Government of the United Kingdom of Great Britain and Northern Ireland.	July 20, 1955	S. Rept. 1051.
Report on the proposed agreements for cooperation regarding atomic information for mutual defense purposes between the Government of the United States of America and the Government of Canada and the Government of the United States of America and the Government of the United Kingdom and Northern Ireland.	July 20, 1955	S. Rept. 1052.
Proposed agreements for cooperation between the United States and Argentina, Chile, China, Denmark, Greece, Israel, Italy, Japan, Korea, Lebanon, Netherlands, Pakistan, Peru, Philippines, Portugal, Spain, Sweden, Switzerland, Uruguay, and Venezuela.	July 28, 1955	S. Rept. 1197.
85th Cong., 2d sess.: Proposed agreement for cooperation between the Government of the United States of America and the Government of the United Kingdom of Great Britain and Northern Ireland for the cooperation on the uses of atomic energy for mutual defense purposes.	July 29, 1958	S. Rept. 2041.
Do.....do.....		H. Rept. 2299.
86th Cong., 1st sess.: Proposed amendment to agreement for cooperation with the United Kingdom of Great Britain and proposed agreements for cooperation with the Republic of France, Canada, Turkey, the Netherlands, the Federal Republic of Germany and Greece on the uses of atomic energy for mutual defense purposes.	July 14, 1959	S. Rept. 513.
Do.....do.....	July 15, 1959	H. Rept. 672.
87th Cong., 1st sess.: Proposed agreement for cooperation for mutual defense purposes between the Government of the United States and the Government of Italy.	Mar. 15, 1961	S. Rept. 71.
Do.....do.....		H. Rept. 167.
Proposed agreement for cooperation between the Government of the United States of America and the Government of the French Republic.	Sept. 14, 1961	S. Rept. 1035.
Do.....do.....		H. Rept. 1183.
87th Cong., 2d sess.: Proposed agreement for cooperation for mutual defense purposes between the Government of the United States and the Government of Belgium.	June 29, 1962	S. Rept. 1670.
Do.....do.....		H. Rept. 1955.
88th Cong., 2d sess.: Proposed agreement for cooperation regarding the exchange of atomic information between the Government of the United States of America and the North Atlantic Treaty Organization and its member nations.	Sept. 22, 1964	S. Rept. 1592.
Do.....do.....	Sept. 17, 1964	H. Rept. 1890.

B. AGREEMENTS FOR COOPERATION IN THE CIVIL USES OF ATOMIC ENERGY

1. BILATERALS WITH INDIVIDUAL COUNTRIES

Country	Scope	Effective date	Termination date
Argentina.....	Research and power.....	July 25, 1969	July 24, 1999
Australia.....	do.....	May 28, 1957	May 27, 1997
Austria.....	do.....	Jan. 24, 1970	Jan. 23, 2014
Brazil.....	do.....	Sept. 20, 1972	Sept. 19, 2002
Canada.....	do.....	July 21, 1955	July 13, 1980
China, Republic of.....	do.....	June 22, 1972	June 21, 2014
Colombia.....	Research.....	Mar. 29, 1963	Mar. 28, 1977
Finland.....	Research and power.....	July 7, 1970	July 6, 2000
Greece ¹	Research.....	Aug. 4, 1955	Aug. 3, 1974
India.....	Power (Tarapur).....	Oct. 25, 1963	Oct. 24, 1993
Indonesia.....	Research.....	Sept. 21, 1960	Sept. 20, 1980
Iran.....	do.....	Apr. 27, 1959	Apr. 26, 1979
Ireland.....	do.....	July 9, 1958	July 8, 1978
Israel.....	do.....	July 12, 1955	Apr. 11, 1977
Italy.....	Research and power.....	Apr. 15, 1958	Apr. 14, 1978
Japan.....	do.....	July 10, 1968	July 9, 2003
Korea.....	do.....	Mar. 19, 1973	Mar. 18, 2014
Norway.....	do.....	June 8, 1967	June 7, 1997
Philippines.....	do.....	July 19, 1968	July 18, 1998
Portugal.....	do.....	June 26, 1974	June 25, 2014
South Africa.....	do.....	Aug. 22, 1957	Aug. 21, 2007
Spain.....	do.....	June 28, 1974	June 27, 2014
Sweden.....	do.....	Sept. 15, 1966	Sept. 14, 1996
Switzerland.....	do.....	Aug. 8, 1966	Aug. 7, 1996
Thailand.....	do.....	June 27, 1974	June 26, 2014
Turkey.....	Research.....	June 10, 1955	June 9, 1981
United Kingdom.....	Research and power.....	July 21, 1955	July 20, 1976
Do.....	Power.....	July 15, 1966	July 14, 1976
Venezuela.....	Research and power.....	Feb. 9, 1960	Feb. 8, 1980
Vietnam (Republic of).....	Research.....	July 1, 1959	June 30, 1979

2. BILATERALS WITH INTERNATIONAL ORGANIZATIONS

European Atomic Energy Community (EURATOM).....	Joint nuclear power program.....	Feb. 18, 1959	Dec. 31, 1985
EURATOM.....	Additional agreement to joint nuclear power program.	July 25, 1960	Dec. 31, 1995
International Atomic Energy Agency (IAEA).....	Supply of materials, etc.....	Aug. 7, 1959	Aug. 6, 2014

¹ Superseding, research and power agreement in abeyance; U.S. material covered by IAEA (NPT) safeguards.

C. AGREEMENTS FOR COOPERATION FOR MUTUAL DEFENSE PURPOSES¹

Country:	Effective date
NATO.....	Mar. 12, 1965
Australia.....	Aug. 14, 1957
Belgium.....	Sept. 5, 1962
Canada.....	July 27, 1959
France (Land-based prototype fuel supply agreement).....	July 20, 1959
France.....	Oct. 9, 1961
Germany, Federal Republic.....	July 27, 1959
Greece.....	Aug. 11, 1959
Italy.....	May 24, 1961
Netherlands.....	July 27, 1959
Turkey.....	July 27, 1959
United Kingdom.....	Aug. 4, 1958

¹ Except for the Agreement with France of July 20, 1959, all of these Agreements provide for exchange of classified information as provided for in Section 144b of the Atomic Energy Act.

D. MEMBERS OF THE INTERNATIONAL ATOMIC ENERGY AGENCY

- | | | |
|--|------------------------|--|
| 1. Afghanistan | 36. Haiti | 73. Pakistan |
| 2. Albania | 37. Holy See | 74. Panama |
| 3. Algeria | 38. Hungary | 75. Paraguay |
| 4. Argentina | 39. Iceland | 76. Peru |
| 5. Australia | 40. India | 77. Philippines |
| 6. Austria | 41. Indonesia | 78. Poland |
| 7. Bangladesh | 42. Iran | 79. Portugal |
| 8. Belgium | 43. Iraq | 80. Romania |
| 9. Bolivia | 44. Ireland | 81. Saudi Arabia |
| 10. Brazil | 45. Israel | 82. Senegal |
| 11. Bulgaria | 46. Italy | 83. Sierra Leone |
| 12. Burma | 47. Ivory Coast | 84. Singapore |
| 13. Byelorussian S.S.R. | 48. Jamaica | 85. South Africa |
| 14. Canada | 49. Japan | 86. Spain |
| 15. Chile | 50. Jordan | 87. Sri Lanka |
| 16. Colombia | 51. Kenya | 88. Sudan |
| 17. Costa Rica | 52. Khmer Rep. | 89. Sweden |
| 18. Cuba | 53. Korea, Republic of | 90. Switzerland |
| 19. Cyprus | 54. Kuwait | 91. Syrian Arab Rep. |
| 20. Czechoslovakia | 55. Lebanon | 92. Thailand |
| 21. Democratic People's
Republic of Korea | 56. Liberia | 93. Tunisia |
| 22. Denmark | 57. Libyan Arab Rep. | 94. Turkey |
| 23. Dominican Republic | 58. Liechtenstein | 95. Uganda |
| 24. Ecuador | 59. Luxembourg | 96. Ukrainian S.S.R. |
| 25. Egypt | 60. Madagascar | 97. U.S.S.R. |
| 26. El Salvador | 61. Malaysia | 98. U.K. of Great
Britain & N.
Ireland |
| 27. Ethiopia | 62. Mali | 99. United Republic
of Cameroon |
| 28. Finland | 63. Mauritius | 100. U.S.A. |
| 29. France | 64. Mexico | 101. Uruguay |
| 30. Gabon | 65. Monaco | 102. Venezuela |
| 31. German Dem. Rep. | 66. Mongolia | 103. Vietnam |
| 32. Germany, Fed. Rep.
of | 67. Morocco | 104. Yugoslavia |
| 33. Ghana | 68. Netherlands | 105. Zaire, Rep. of |
| 34. Greece | 69. New Zealand | 106. Zambia |
| 35. Guatemala | 70. Niger | |
| | 71. Nigeria | |
| | 72. Norway | |

XII. ERDA TECHNICAL REPORT COLLECTIONS AND FILM LIBRARIES (AS OF JANUARY 19, 1976)

A. REPORT COLLECTIONS

The libraries listed below maintain collections of USERDA reports. The U.S. libraries also contain foreign reports that are abstracted in the *Nuclear Science Abstracts*. The collections also include *Nuclear Science Abstracts* and its indexes, ERDA's Technical Progress Reviews, ERDA-sponsored translations, conference proceedings published by ERDA, and various bibliographic tools. Most of these libraries have microfiche reader-printers or other photocopy facilities with which to reproduce enlarged copies from microfiche. Charges for reproduction services vary.

In addition there are two Government depository libraries in each Congressional District where Joint Committee on Atomic Energy publications may be found. Those libraries are listed in a Committee print entitled "Government Depository Libraries" published by the Joint Committee on Printing, Congress of the United States, revised April 1974.

The Nuclear Regulatory Commission (NRC) is in the process of establishing standard procedures for distribution of technical information. Meanwhile, NRC material is available as follows:

1. Documents relating to licensing of nuclear plants and facilities are available for public inspection and comment at the NRC Public Document Room, 1717 H. St., N.W., Washington, D.C. Local public document rooms situated near nuclear power sites contain documents relating to facilities in their area, as well as certain reports pertaining to events at other nuclear facilities throughout the country. A monthly listing of *Power Reactor Docket Information* is prepared by the U.S. Energy Research and Development Administration (ERDA) for NRC and may be purchased through ERDA Technical Information Center, Oak Ridge, Tennessee, 37830.

2. Draft Environmental Statements are available to the public from the NRC. Final Environmental Statements and Safety Evaluation Reports are distributed by NRC to those officially involved, and are made available for purchase by the public at the National Technical Information Service, Springfield, Virginia 22161.

3. NRC research reports will be made available to the public through the National Technical Information Service.

U.S. REPORT COLLECTIONS

ALABAMA	HAWAII
Auburn, Auburn University	Honolulu, University of Hawaii
Tuskegee Institute, Tuskegee Institute	IDAHO
ARIZONA	Pocatello, Idaho State University
Tucson, University of Arizona	ILLINOIS
CALIFORNIA	Urbana, University of Illinois
Davis, University of California	INDIANA
Los Angeles, University of California	Lafayette, Purdue University
Santa Barbara, University of California	IOWA
COLORADO	Ames, Iowa State University
Boulder, University of Colorado	KANSAS
DISTRICT OF COLUMBIA	Manhattan, Kansas State University
Washington, Library of Congress	KENTUCKY
FLORIDA	Lexington, University of Kentucky
Gainesville, University of Florida	MARYLAND
GEORGIA	Baltimore, Johns Hopkins University
Atlanta, Georgia Institute of Technology	College Park, University of Maryland

- MASSACHUSETTS**
 Cambridge, Massachusetts Institute of Technology
 Worcester, Worcester Polytechnic Institute
- MICHIGAN**
 Ann Arbor, University of Michigan
- MISSISSIPPI**
 State College, Mississippi State University
- MISSOURI**
 Columbia, University of Missouri
 Kansas City, Linda Hall Library
- NEW JERSEY**
 Princeton, Princeton University
- NEW MEXICO**
 Albuquerque, University of New Mexico
- NEW YORK**
 Albany, The New York State Library
 Albany, State University at Albany
 Ithaca, Cornell University
 New York, Columbia University
 Rochester, University of Rochester
 Syracuse, Syracuse University
- NORTH CAROLINA**
 Raleigh, North Carolina State University
- OHIO**
 Cincinnati, University of Cincinnati
 Cleveland, Cleveland Public Library
 Toledo, University of Toledo
- OKLAHOMA**
 Norman, University of Oklahoma
- PENNSYLVANIA**
 Philadelphia, University of Pennsylvania
 Pittsburgh, Carnegie Library
 University Park, Pennsylvania State University
- PUERTO RICO**
 San Juan, University of Puerto Rico
- SOUTH CAROLINA**
 Columbia, University of South Carolina
- TENNESSEE**
 Knoxville, University of Tennessee
- TEXAS**
 Austin, University of Texas
 College Station, Texas A. & M. University
 Houston, Rice University
- UTAH**
 Salt Lake City, University of Utah
- VIRGINIA**
 Blacksburg, Virginia Polytechnic Institute
 Charlottesville, University of Virginia
- WASHINGTON**
 Pullman, Washington State University
 Seattle, University of Washington
- WEST VIRGINIA**
 Morgantown, West Virginia University
- WISCONSIN**
 Madison, University of Wisconsin

COLLECTIONS IN FOREIGN COUNTRIES

- ARGENTINA**
 Buenos Aires, Comisión Nacional de Energía Atómica (CNEA)
- AUSTRALIA**
 Canberra, National Library of Australia
 Sutherland, New South Wales, Atomic Energy Research Establishment
- AUSTRIA**
 Vienna, International Atomic Energy Agency (IAEA)
 Vienna, Zentralbibliothek der Physikalischen Institute der Universität
- BELGIUM**
 Brussels, European Atomic Energy Community (EURATOM)
 Mol-Donk, Centre d'Etude de l'Energie Nucleaire
- BRAZIL**
 Rio de Janeiro, Comissão Nacional de Energia Nuclear
 São Paulo, Instituto de Energia Atomica, Cidade Universitaria São Paulo
- CANADA**
 Chalk River, Ontario, Atomic Energy of Canada Ltd., Chalk River Nuclear Laboratories
 Hamilton, Ontario, McMaster University
 Ottawa, National Research Council
- CONGO**
 Republic of Kinshasa, Trico Nuclear Center
- DENMARK**
 Risø, Danish Atomic Energy Commission
- FINLAND**
 Otaniemi, Teknillisen Korkeakoulun Kirjasto
- FRANCE**
 Saclay, Gif-sur-Yvette, Centre d'Etudes Nucléaires de Saclay
- GERMANY, WEST**
 Karlsruhe, Zentralstelle für Atomkernenergie Dokumentation
 Munich, Technischen Universität
- GREECE**
 Athens, Nuclear Research Center "Democritus" Library
- INDIA**
 Bombay, Trombay, Department of Atomic Energy, Bhabha Atomic Research Center Library
- IRAQ, REPUBLIC OF**
 Baghdad Atomic Energy Commission, Nuclear Research Institute
- IRELAND**
 Dublin, University College
- ISRAEL**
 Yavne, Israel Atomic Energy Commission, Soreq Nuclear Research Centre

ITALY

Ispra, Cetus Library
Rome, Centro di Studi Nucleari della
Casaccia

JAPAN

Tokai-Mura, Naka-Gun Ibarakiken,
Japan Atomic Energy Research
Institute
Tokyo, National Diet Library

KOREA, REPUBLIC OF

Seoul, Atomic Energy Research Insti-
tute

MEXICO

Mexico, D.F., Comision Nacional de
Energia Nuclear

NETHERLANDS, THE

Petten, Reactor Centrum Nederland
The Hague, Bibliotheek Octrooiraad

NORWAY

Kjeller, Institutt for Atomenergi

PORTUGAL

Sacavem, Junta de Energia Nuclear
SOUTH AFRICA, REPUBLIC OF
Pretoria, Atomic Energy Board Li-
brary

SPAIN

Madrid, Junta de Energia Nuclear,
Ciudad Universitaria

SWEDEN

Nyköping, Aktiebolaget Atomenergi
Library

SWITZERLAND

Zürich, Swiss Federal Institute of
Technology

UNITED KINGDOM

Boston Spa, Wetherby, Yorkshire,
British Library Lending Division
Harwell, Didcot, Berkshire, Atomic
Energy Research Establishment

COLLECTIONS IN INTERNATIONAL AGENCIES

AUSTRIA

Vienna, International Atomic Energy
Agency (IAEA)

BELGIUM

Brussels, European Atomic Energy
Community (EURATOM)

ITALY

Ispra, Varese, Cetus Library,
EURATOM

UNITED KINGDOM

Boston Spa, Wetherby, Yorkshire,
England OECD Nuclear Energy
Agency (NEA)

B. FILM LIBRARIES

ERDA has a centralized film library that serves continental United States
Its address is:

USERDA Film Library
P.O. Box 62
Oak Ridge, Tennessee 37830

Branch libraries serving their particular areas are:

Alaska State Library
Instructional Materials Center
Pouch G
Juneau, Alaska 99801

University of Hawaii
CTA Film Library—AEC Popular Films
Krauss Hall, Room 10S
2500 Dole Street
Honolulu, Hawaii 96822

University of Hawaii
AV Services—AEC Technical Film
Library
Honolulu, Hawaii 96822
Phone: 808-944-8111
Film Library
Puerto Rico Nuclear Center
Caparra Heights Station
San Juan, Puerto Rico 00935
Phone: 767-0350

In addition, the USERDA stocks five film libraries overseas: at the American
Embassy in Tokyo; the International Atomic Energy Agency, Vienna, Austria;
the American Film Library, The Hague, Netherlands; the Film Section of the
Personnel Administration Council, Stockholm, Sweden; and in the National
Science Film Library, Ottawa, Canada.

XIII. ACTIVITIES AND ACCOMPLISHMENTS OF THE JOINT COMMITTEE ON ATOMIC ENERGY IN THE 94TH CONGRESS, FIRST SESSION (1975)

FOREWORD

It has been the practice of the Joint Committee on Atomic Energy, at the close of each session of the Congress, to submit for the information of the Congress, the executive branch, and the public, a report of its activities. (The report for the second session of the 93rd Congress was printed in the Congressional Record of December 20, 1974, H-12729.)

The Joint Committee on Atomic Energy was organized on August 2, 1946. It consists of nine Members from the Senate and nine Members from the House of Representatives. No more than five from each body can be members of the same political party. The chairmanship alternates between the Senate and the House of Representatives with each Congress.

Present membership is:

John O. Pastore, Rhode Island, *Chairman*
Melvin Price, Illinois, *Vice Chairman*

Henry M. Jackson, Washington
Stuart Symington, Missouri
Joseph M. Montoya, New Mexico
John V. Tunney, California
Howard H. Baker, Jr., Tennessee
Clifford P. Case, New Jersey
James B. Pearson, Kansas
James L. Buckley, New York

John Young, Texas
Teno Roncalio, Wyoming
Mike McCormack, Washington
John E. Moss, California
John B. Anderson, Illinois
Manuel Lujan, Jr., New Mexico
Frank Horton, New York
Andrew J. Hinshaw, California

The Joint Committee is one of the few Committees established by statute rather than by rule of each House and is unique in several respects. For example, it is the only Joint Committee of the Congress with legislative functions, including the receipt and reporting of legislative proposals. The Committee is also charged by law with legislative responsibility as "watchdog" of the U.S. atomic energy program. As part of its responsibilities, the Committee follows closely the classified activities of the executive agencies including the Energy Research and Development Administration and the Departments of Defense and State, concerning the peaceful and military applications of atomic energy. The unclassified nuclear activities of these agencies and of the Nuclear Regulatory Commission are closely reviewed as well.

In all of these activities, the Joint Committee on Atomic Energy, representing the Congress and the public, seeks to assure the implementation of the following national policy expressed in the Atomic Energy Act of 1954:

The development, use, and control of atomic energy shall be directed so as to make the maximum contribution to the general welfare, subject at all times

to the paramount objective of making the maximum contribution to the common defense and security.

During the 94th Congress, first session, the Joint Committee and its subcommittees held a total of 50 meetings, of which 7 (14%) were held in executive session because the subject matter discussed was classified, and 43 (86%) were held in public session.

A total of 52 publications consisting of hearings, reports, and committee prints were released by the Joint Committee in this session of the 94th Congress. Included in these publications was testimony taken in executive session with classified material deleted before printing. A backlog of publications from the 93rd Congress is included in the above total and identified in the listing which follows:

1973-74 (93d Cong.)

Proposed Changes in AEC Contract Arrangements for Uranium Enrichment Services.	Hearings, March 7, 8, 26, and April 18, 1973.
AEC Authorizing Legislation, Fiscal Year 1975: Part 4. (Note: Included in this volume are the proceedings of the hearing "Current Status of AEC Controlled Thermonuclear Research Program" held by the Subcommittee on Research, Development and Radiation, on July 25, 1973.)	Hearings, March 4 and 5, 1974.
Nuclear Reactor Safety: Part 2: Vol. I: Phases IIb and III. Part 2: Vol. II-----	Hearings, Jan. 22, 23, 24, and 28, 1974. Appendixes.
AEC Weapons Program Authorization Request, Fiscal Year 1975 (declassified).	Hearing, Feb. 19, 1974.
To Consider NATO Matters-----	Hearing, Feb. 19, 1974.
Naval Nuclear Propulsion Program—1974 (declassified).	Hearing, Feb. 25, 1974.
Future Structure of the Uranium Enrichment Industry (Phase III) Part III: Vol I.	Hearings, June 25, 26, 27; July 16, 17, 18, 30, 31; Aug. 6; Nov. 26; and Dec. 3, 1974.
Nominees to the Nuclear Regulatory Commission.	Hearings, Dec. 10 and 18, 1974.
Nomination of Dr. Robert C. Seamans, Jr., to be Administrator, Energy Research and Development Administration.	Hearing, Dec. 11, 1974.
Nuclear Powerplant Siting and Licensing: Vol. I-----	Hearings, March 19, 20, 21, 22; April 24, 25, 26; and May 1, 1974.
Vol. II-----	Appendixes.
Possible Modification and Extension of the Price-Anderson Act—Part 2, Phase II.	Hearings, May 9, 10, 14, 15, and 16, 1974.
Development, Growth and State of the Nuclear Industry.	Hearings, Feb. 5 and 6, 1974.
Proposed Modification of Restrictions on Enrichment of Foreign Uranium for Domestic Use.	Hearings, Sept. 17 and 18, 1974.
Solar Energy Research and Development.	Hearings, May 7 and 8, 1974.

1975 (94th Cong., 1st sess.)

ERDA Authorizing Legislation Fiscal Year 1976:

- Part 1----- Hearing, Feb. 4, 1975.
 Part 2----- Hearings, Feb. 18 and 27, 1975.
 Part 3----- Hearings, March 4 and 6, 1975.
 Part 4----- Hearings, March 11 and 13, 1975.
 Reports: Authorizing Appropriations for the Energy Research and Development Administration for Fiscal Year 1976 and for the Transition Quarter ending September 30, 1976. S. Report 94-104, May 6, 1975.
 (Note: Report titled as above filed in House jointly with House Committee on Science and Technology). H. Rept. 94-294, June 13, 1975.
- Atomic Energy Legislation through 93d Congress, 2d Session. Committee Print, July 1975.
- Proposals for International Cooperation in Nuclear Energy. Hearing, Feb. 6, 1975.
- Nuclear Regulatory Commission Action Requiring Safety Inspections which Resulted in Shutdown of Certain Nuclear Powerplants. Hearing, Feb. 5, 1975.
 (Note: The above hearing was held jointly with Senate Committee on Government Operations.)
- Nuclear Regulatory Commission Fiscal Year 1975 Supplemental Authorization Request. Hearing, Feb. 20, 1975.
 Reports: Authorizing Supplemental Appropriations to the Nuclear Regulatory Commission for Fiscal year 1975. S. Report 94-50, March 20, 1975.
 (H. Report 94-100, March 20, 1975).
- Nuclear Regulatory Commission Authorizing Legislation, Fiscal Year 1976. Hearing, March 19, 1975.
 Reports: Authorizing Appropriations for the Nuclear Regulatory Commission for Fiscal Year 1976 and for the Transition Quarter Ending September 30, 1976. S. Report 94-174, June 4, 1975.
 (H. Report 94-260, June 4, 1975).
- Current Membership of the Joint Committee on Atomic Energy, Congress of the United States. Committee Print, April 1975.
- Issues for Consideration: Review of the National Breeder Reactor Program. Committee Print, August 1975.
- Markup of S. 598 and H.R. 3474: ERDA Authorizing Legislation, Fiscal Year 1976. Committee Print, April 24, 1975.
- Development, Use, and Control of Nuclear Energy for the Common Defense and Security and for Peaceful Purposes (First Annual Report of the Joint Committee). Committee Print, June 30, 1975.
- Naval Nuclear Propulsion Program—1975 (declassified). Hearing, Mar. 5, 1975.
- S. 1378 and H.R. 5698: Assistance Payments to Anderson County and Roane County, Tennessee (Held at Oak Ridge, Tennessee). Hearing, May 9, 1975.
 (Note: Legislation included in ERDA Authorization.)

- Markup on Nuclear Regulatory Commission Fiscal Year 1976 Authorization. Committee Print, August 1975.
- Browns Ferry Nuclear Plant Fire. Hearing, Sept. 16, 1975.
- H.R. 8631: To Amend and Extend the Price-Anderson Act. Hearings, Sept. 23 and 24, 1975.
- Reports: Amendments to the Price-Anderson Provisions of the Atomic Energy Act of 1954, as Amended, to Provide for Phase-out of Governmental Indemnity, and Related Matters. S. Report 94-454, Nov. 13, 1975. (H. Report 94-648, Nov. 10, 1975).
- Towards Project Independence: Energy in the Coming Decade. Committee Print, December 1975.
- Markup on H.R. 8631 and S. 2568: Price-Anderson Act Amendments. Committee Print, Oct. 31 and Nov. 6, 1975.
- Storage and Disposal of Radioactive Waste. Hearing, Nov. 19, 1975.
- S. Con. Res. 13: Proposed Increase in the Amount of Enriched Uranium Which May Be Distributed to the International Atomic Energy Agency (IAEA). S. Report 94-8, Feb. 13, 1975.
- H. Con. Res. 115 (same as above)----- H. Report 94-9, Feb. 13, 1975.
- S. Con. Res. 14: Proposed Increase in the Amount of Enriched Uranium Which May Be Distributed to the European Atomic Energy Community (EURATOM). S. Report 94-9, Feb. 13, 1975.
- H. Con. Res. 116 (same as above)----- H. Report 94-10, Feb. 13, 1975.
- S. Con. Res. 15: Proposed Extension of Existing Research Agreement for Cooperation Between the United States and Israel Concerning Civil Uses of Atomic Energy. S. Report 94-10, Feb. 13, 1975.
- H. Con. Res. 114 (same as above)----- H. Report 94-8, Feb. 13, 1975.

The following publications will be released in the near future:

- Review of the LMFBR Program.----- Hearings, April 29; May 1, 6, 7; June 10, 11, 17, 18, 24; July 10 and 17, 1975.
- S. 1717 and H.R. 7002: Proposed Nuclear Powerplant Siting and Licensing Legislation. Hearings, June 10 and Nov. 11, 1975.
- Review of National Breeder Reactor Program. Committee Print, (early 1976).
- S. 2635 and H.R. 8401: Nuclear Fuel Assurance Act of 1975. Hearings, Dec. 2, 3, 4, 9, and 10, 1975.
- S. 2435 and H.R. 9948: To Amend the Atomic Energy Community Act with Regard to Financial Assistance Payments to the County of Los Alamos Schools. Hearing, Oct. 14, 1975.

I. LEGISLATIVE ACTIVITIES

A. Energy Research and Development Administration Authorization Act for Fiscal Year 1976 and the Transition Quarter (Public Law 94-187)

The Energy Research and Development Administration authorization request for fiscal year 1976 and the transition quarter, as initially submitted to the Congress on February 4, 1975, and subsequently

amended on April 9, 1975, called for authorization of \$3,418,587,000 for "Operating expenses" and \$868,867,000 for "Plant and capital equipment" (including increases in prior-year authorization) making a total requested authorization for fiscal year 1976 of \$4,287,454,000. The authorization request also called for \$1,001,301,000 for "Operating expenses" and \$128,876,000 for "Plant and capital equipment" for the transition quarter, making a total requested authorization for the quarter of \$1,130,177,000. On March 10, 1975, ERDA transmitted to the Joint Committee some refinements to the proposed revised authorization for the Clinch River Demonstration Plant Project.

The ERDA requests for atomic energy-related programs and projects under the jurisdiction of the Joint Committee totalled \$3,750,059,000 and \$988,884,000 for fiscal year 1976 and the transition quarter, respectively. The Joint Committee did not consider the non-nuclear programs of ERDA.

The Joint Committee's recommended authorization for atomic energy-related programs for fiscal year 1976 was \$3,838,451,000 which is \$88,392,000 or about 2 percent more than the amount requested. The Joint Committee recommended an increase of \$18,988,000 for the transition quarter, also 2% more than requested.

Generally, the ERDA authorization for atomic energy-related programs reflects estimated costs in two broad categories of effort, namely, military and civilian applications. Military applications include primarily the nuclear weapons and naval propulsion reactors programs, as well as a portion of the nuclear materials program. Approximately 39 percent of the Administration's fiscal year 1976 estimated program costs (as compared to about 43 percent of estimated fiscal year 1975 costs), or \$1,763 million, was attributable to military applications. The estimated cost for civilian applications totaled \$2,809 million or about 61 percent of the program costs (as compared to about 57 percent of estimated fiscal year 1975 costs). The amounts shown above reflect total program costs and are exclusive of adjustments for revenues received and for changes in selected resources.

The Joint Committee began consideration of the proposed legislation authorizing appropriations to the ERDA for fiscal year 1976 and the transition quarter with a public hearing on February 4, 1975. At this hearing, the Honorable Robert C. Seamans, Jr., Administrator, ERDA, discussed the overall budget request. Subsequent public hearings occurred on February 18 and 27, and March 4, 6, 11, and 13. In the course of these hearings, the ERDA's programs for fusion power research and development; biomedical and environmental research; waste management; operational safety; physical research; nuclear materials; fission power reactor development; and laser and electron beam pellet fusion research were considered. The hearing records contain information on the status of, and accomplishments under, the various programs being carried out by ERDA.

Other hearings were held in executive session on March 5 and 12. ERDA programs reviewed during these hearings were weapons, nuclear materials security, and naval reactors.

On June 25, 1975, ERDA submitted to the Congress a budget amendment for fiscal year 1976 and the transition quarter. The authorization request for atomic energy-related programs was increased by (1)

a total of \$105,616,000 for "Operating expenses" and \$36,550,000 for "Plant and capital equipment" for fiscal year 1976, and by (2) \$12,706,000 for "Operating expenses" and \$60,000 for "Plant and capital equipment" during the transition quarter. The Joint Committee considered this revision to the original request of February 5, 1975, and recommended that the amendment be accepted. The Committee also increased the budget amendment by \$9,000,000 for the Molten Salt Breeder Reactor and Light Water Breeder Reactor programs for fiscal year 1976, and \$400,000 for the transition quarter for these two programs.

B. Supplemental Authorization of Appropriations for the Nuclear Regulatory Commission for Fiscal Year 1975 (Public Law 94-18)

On February 3, 1975, the Nuclear Regulatory Commission transmitted to the Congress a request for an increase in appropriations for fiscal year 1975 of \$56,400,000. On February 12, 1975, Senator John O. Pastore, Chairman of the Joint Committee on Atomic Energy, introduced, by request, S. 674, authorizing appropriations of such funds as are necessary to carry out the functions and responsibilities of the Nuclear Regulatory Commission for fiscal year 1975. On February 19, 1975, Representative Melvin Price, Vice Chairman of the Joint Committee, introduced an identical bill, H.R. 3275, by request.

On March 4, 1975, Vice Chairman Price introduced H.R. 4224, a substitute bill, in lieu of the above measure. This bill was introduced by Chairman Pastore on March 6, as S. 994. The full Committee met on March 20 in open session and voted without dissent to report those bills favorably without amendment and to adopt the report.

On February 20, 1975, the Subcommittee on Legislation of the Joint Committee held an open hearing on the request for authorization of supplemental appropriations. The Commission request was for an increase of \$56,400,000 in their fiscal year 1975 authorization. This consisted of (1) \$39,000,000 to replace anticipated revenues which under the Atomic Energy Commission would have been applied as an offset to budget authority, but which under NRC will be deposited directly to the miscellaneous receipts of the U.S. Treasury, (2) \$9,500,000 for refunds of license fees which have been collected since 1968 based on a fee schedule that was not in accordance with constitutional standards recently prescribed by the U.S. Supreme Court, and (3) \$7,900,000 to support new activities of NRC which were required by the Energy Reorganization Act of 1974 as well as various staff services required for NRC to function as a separate and independent agency.

The Committee concurred with the request of the Commission with the following exceptions. The Committee reduced the requested authorization by \$6,200,000 because of the revenues received during fiscal year 1975 by the office of the Director of Regulation of the Atomic Energy Commission prior to its dissolution January 19, 1975, exceeded by that amount the revenues expected to be received at the time the Commission request was submitted to the Office of Management and Budget in November 1974. The reduction did not in any way affect the planned operations of NRC.

C. Nuclear Regulatory Commission Authorization Act of Fiscal Year 1976 and the Transition Quarter (Public Law 94-79)

The Nuclear Regulatory Commission's authorization request for fiscal year 1976, as submitted to the Congress on February 3, 1975, called for authorization of \$219,935,000 for salaries and expenses. Although the Commission request did not include an authorization amount for the transition quarter, the supplemental supporting data furnished to the Joint Committee by the Commission indicated that an authorization of \$52,000,000 for salaries and expenses for the transition quarter would be needed.

The Joint Committee recommended authorization for fiscal year 1976 of \$219,935,000, which was the same as the amount requested. The Joint Committee's recommended authorization for the transition quarter was \$52,000,000.

The NRC authorization request generally reflected estimated costs in three major areas: the regulation of nuclear reactors, nuclear materials safety and safeguards, and nuclear regulatory research. Nuclear reactor regulation is expected to cost \$65,779,000 in fiscal year 1976. The nuclear materials safety and safeguards program fiscal year 1976 request was for \$10,955,000, and the nuclear regulatory research effort for fiscal year 1976 is budgeted at \$97,223,000.

The Subcommittee on Legislation in the Joint Committee on Atomic Energy, chaired by Senator Joseph M. Montoya, considered the proposed legislation authorizing appropriations to the NRC for fiscal year 1976 and the transition quarter at a public hearing on March 19, 1975. At this hearing, the Honorable William A. Anders, Chairman of the NRC, testified concerning the NRC budget request. Subsequently, NRC provided additional statements for the hearing records which provide detailed information on the budget requests of each of the component organization of NRC.

D. Extension and Modification of the Price-Anderson Act

The Price-Anderson Act was enacted in 1957, and extended and amended in 1965 and 1966. The Act was designed to protect the public by providing for the payment of claims in the unlikely event of a catastrophic nuclear incident. Among other things, the Act provides funds for public liability in the event of a nuclear incident up to a total amount of \$560 million. This amount is provided for by requiring nuclear powerplant licensees to maintain financial protection through insurance or other means in the full amount available from private insurance (currently \$125 million) and by providing for government indemnity for the remainder of the \$560 million. Other features included in the Act by the amendments of 1966 are no-fault liability and provisions for accelerated payment of claims immediately upon occurrence of a nuclear incident.

The Act was scheduled to expire on August 1, 1977. Because of the long lead times involved in planning new commitments to nuclear power, the Joint Committee began considering the matter of extension and possible modification of the Act during the 93rd Congress in order to prevent an unwarranted disruption in the planning process for nuclear powerplants, such as might result from uncertainty over the future of the Price-Anderson Act.

The question of whether to extend the Price-Anderson Act received extensive consideration during the 93rd Congress. After comprehensive hearings, the Joint Committee reported out a bill, H.R. 15323, which was passed by the Congress with amendments and sent to the President on October 1, 1974. The President vetoed the measure on October 12, 1974, citing his approval of the substantive sections of the bill and basing his veto on "the clear constitutional infirmity of a provision in the bill which allowed the Congress to prevent it from becoming effective by passing a concurrent resolution within a specified time."

On June 9, 1975, the Nuclear Regulatory Commission submitted to the Joint Committee the report on the subject of sabotage and the theft of nuclear materials which had been requested by the Conference Committee on H.R. 15323.

On July 10, 1975, the Federal Energy Administration forwarded to the Congress proposed legislation which was introduced as H.R. 8631 by Mr. Price (for himself and Mr. Anderson of Illinois) on July 14, 1975, and as S. 2568 by Senator Pastore (for himself and Senator Baker) on October 28, 1975. These bills were identical to the bill which was passed by the 93rd Congress with two exceptions: first, the provision which caused the President to veto the bill was omitted; and second, the measure called for a 10-year rather than a 5-year extension of the Act.

The major change to existing law which would be made by the bills is a provision for replacing the Government indemnity with a retrospective premium insurance system over a period of years as more power reactors become licensed. This system would also allow an increase in the limit on liability above \$500 million after Government indemnity has been phased out. This is expected to occur no later than 1985. Price-Anderson coverage would also be extended to offshore nuclear power plants and to shipments of nuclear material between NRC licensees via routes wholly or partially outside U.S. territorial limits.

The bills were referred to the Joint Committee and hearings were held on September 23 and 24, 1975, to consider that measure and the question of whether the Price-Anderson system should be extended to cover sabotage and the theft of nuclear materials. At those hearings, the Committee heard testimony from the nuclear power and insurance industries, the electric utilities, the Executive Branch, and a number of other organizations interested in this area.

The Joint Committee met in open session on November 6, 1975, and after full discussion, voted by a rollcall vote of 14-2 to report the bills favorably with six technical amendments. On December 8, 1975, the House of Representatives considered H.R. 8631 and passed the bill with one amendment by a vote of 329-61. On December 16, 1975, the Senate considered and adopted three amendments to S. 2568. By a vote of 76-18, the Senate then voted to pass H.R. 8631 with the Senate amendments. On December 17, 1975, the House agreed to the Senate amendments to H.R. 8631. The President signed the bill on December 31, 1975 (Public Law 94-197).

In its report on the bills to amend and extend the Price-Anderson Act, the Joint Committee requested that the Nuclear Regulatory Com-

mission review the need for extending the Price-Anderson system to include plutonium processing facilities. The Nuclear Regulatory Commission advised the Committee on December 3, 1975, that once H.R. 8631 has been signed into law, the NRC will publish a "Notice of Intended Rule Making" as the first step in implementing the legislation. This notice will solicit the views of the public and interested groups on the question of extending Price-Anderson coverage to plutonium processing facilities and to the transportation of nuclear material to and from those facilities. Based upon those views, NRC will then decide whether Price-Anderson coverage should be extended.

E. Communities

The Subcommittee on Communities, chaired by Congressman John Young, held hearings in Oak Ridge on May 9, 1975, on H.R. 5689 and S. 1378, identical bills to permit financial assistance to be given to Anderson and Roane Counties, Tennessee, under the provisions of the Atomic Energy Community Act of 1955, as amended. The record of the hearings contains extensive data concerning the economic, social and financial characteristics of the two counties and the financial burdens imposed on the counties by the location and operation of the ERDA facilities at Oak Ridge, Tennessee.

It is essential that the communities at Oak Ridge maintain a level of services which will attract and maintain well qualified personnel for the national energy program being pursued in the Federal facilities at Oak Ridge. This need applies not only within the boundary of the City of Oak Ridge, but extends into the two counties, Roane and Anderson, from which the Federal Government carved the Oak Ridge Reservation during World War II. The need to provide an adequate level of services imposes financial burdens on these two counties as well as on the City of Oak Ridge, but the Community Act permits payments only to the city and not to the counties. S. 1378 and H.R. 5698 would correct this inequity which appears to have been as a result of an oversight when the Community Act was originally enacted.

The ERDA Authorization Bill was amended in the Senate to include Anderson and Roane County in the Community Act and to provide assistance to them for a ten-year period, ending June 30, 1986.

The House accepted the Senate amendment in Conference and the Atomic Energy Act will be so amended upon the enactment of the ERDA Authorization Bill. The President signed the bill on December 31, 1975 (Public Law 94-187).

The Subcommittee on Legislation, chaired by Senator Montoya, conducted hearings in Los Alamos, New Mexico, on October 14, 1975, to consider identical bills, S. 2435 and H.R. 9948, to amend the Atomic Energy Community Act with regard to the extension of the existing authorization to the Administrator of the Energy Research and Development Administration to continue to make payments of just and reasonable sums to the Los Alamos schools and the County of Los Alamos. The existing authority under the Community Act expires on June 30, 1976, for the schools and on June 30, 1977, for the county. The legislation would place the authority of ERDA to continue to make assistance payments to Los Alamos on essentially the same basis as that which now exists for the former AEC communities of Oak Ridge, Tennessee, and Richland, Washington.

As in the case of these other communities, the Federal Government expects Los Alamos to maintain schools and other local governmental services at a high level in order that the recruitment and retention of highly qualified people necessary for the very important energy research and development programs at the Los Alamos Scientific Laboratory will not be inhibited. The Los Alamos community, because of its genesis, its isolated geographical location and Federal activities, is essentially a one industry community and that industry is Government owned and tax exempt. It is for these reasons that legislation was introduced to continue the necessary assistance payments not only to reimburse the schools and local government for the burdens imposed on them by the Federal Government, but also to insure the success of the energy research and development programs at the Los Alamos Scientific Laboratory.

F. Nuclear Powerplant Licensing Improvements

Since 1971, the Joint Committee has been looking intently at the problem of delays in the siting and licensing of nuclear powerplants. Extensive hearings on this issue were conducted in 1971, 1972, and 1974. The hearings conducted during the 93rd Congress focused on a number of legislative proposals which had been referred to the Joint Committee. These proposals included a bill sponsored by then-Chairman Price, a bill proposed by Representative McCormack, and a legislative proposal by the AEC. As a result of the hearings, Representative Price submitted a composite bill incorporating features of the various bills mentioned above.

During 1975, the Joint Committee continued its consideration of methods to improve the procedures for siting and licensing of nuclear powerplants. Legislative proposals were again introduced on February 25, 1975, by Mr. McCormack (H.R. 3734), and on February 27, 1975, by Mr. Price for himself, Mr. Anderson of Illinois, Mr. Hinshaw, Mr. Horton, and Mr. Lujan (H.R. 3995). A legislative proposal was also submitted by the Nuclear Regulatory Commission and introduced as S. 1717 in the Senate and H.R. 7002 in the House of Representatives. Finally, a related bill to provide financial assistance to intervenors in nuclear licensing proceedings was introduced by Senator Kennedy on May 6, 1975 (S. 1665). Each of these bills was referred to the Joint Committee.

The changes in existing licensing procedures which would be made by those proposals include provisions for the following: designated sites reviewed in advance of specific applications; standardized plants; replacement of mandatory hearings with an opportunity for a hearing in certain instances; discretionary, rather than mandatory ACRS review of applications; limited work authorizations; interim operating licenses prior to completion of hearings, where need is shown and environmental and safety reviews have been completed; expedited hearing procedures; coordination of Federal and State reviews; and increased participation by intervenors through early notice of intent to file applications and through provision of technical reports and other documents.

Further hearings on these specific proposals were held by the Joint Committee on June 25 and November 11, 1975. Witnesses for the Nuclear Regulatory Commission testified at the June 25 hearing.

During the November 11 hearing, the Committee received testimony from witnesses representing the nuclear power and electric utility industries, State energy facility siting agencies, utility regulatory authorities, and other groups with interest in this area.

Early in this session, the Committee conducted a survey of a large number of electric utilities in the country which have had experience with the licensing of nuclear powerplants. With a few exceptions, the respondents expressed disillusionment and frustration with the procedures governing the siting and licensing of nuclear plants. The principal areas of their concern include:

(a) Time and technical resources consumed.—The regulatory process requires that skilled scientists and engineers devote substantial amounts of time to answering regulatory questions and participating in licensing hearings, where that time would otherwise be used to develop designs and criteria for nuclear plants. The result of this burden is delay in plant design and completion.

(b) Overlapping of Federal, State and local requirements.—The regulatory requirements of many State, local and regional agencies overlap and conflict with Federal regulatory requirements. The need to satisfy these differing requirements has added to the delay in bringing nuclear plants into operation.

(c) Review process and intervention procedures.—Several respondents addressed the need to further improve the review process, including the resolution of generic issues, establishing the acceptability of the site early, and establishing specific limits on the scope of the various hearings. The hearing process itself drew considerable criticism because of the ease with which opponents of nuclear power projects, regardless of qualifications, can intervene and thereby delay the process.

(d) Ratcheting or backfitting requirements imposed by NRC.—The changes in regulatory requirements and regulations cause the applicant substantial uncertainty in planning a nuclear plant and result in substantial delays in the construction and operation of those plants already in the licensing process.

During this session, these and other similar concerns have been the subject of further inquiry by the Committee (see e.g. H. Rept. 94-260, June 4, 1975, at pp. 4-7; S. Rept. 94-174; June 4, 1975 at pp. 3-7) and the subject of extensive correspondence with the Nuclear Regulatory Commission (see e.g. March 19, 1975, Hearings on the Nuclear Regulatory Commission Authorizing Legislation, Fiscal Year 1976, Appendix 4).

In view of the State role in the approval of sites for nuclear powerplants, the Committee's Executive Director sent a letter to the States which have already enacted or which are considering siting and licensing legislation, and, among others, the Governors' Task Force on Energy, and the National Conference of State Legislatures. The letter noted that an important part of the Administration's proposed legislation concerns the early approval of prospective sites for nuclear facilities. The success of the early site approval procedures would appear to depend in large measure on the participation in the site approval process by the State in which the site is located. A major area which

apparently has not yet received thorough consideration is the role which a State should play in the site approval process considering, among other things, the Nuclear Regulatory Commission's and other Federal agencies' responsibilities, including those in the area of environmental decision making under the National Environmental Policy Act, as well as the responsibilities of state agencies and departments under State law. The letter solicited views and recommendations of the State agencies and departments which have responsibilities under State law for the approval of sites for powerplants.

At the end of the session, the responses to these Committee initiatives and the record of the June and November hearings were being reviewed by the Committee staff.

G. Uranium Enrichment (Nuclear Fuel Assurance Act)

On June 26, 1975, Chairman John Pastore and Senator Howard Baker introduced in the Senate, by request, the Administration's proposed legislation for securing the construction of additional uranium enrichment plants in the United States. This legislation, entitled "The Nuclear Fuel Assurance Act of 1975" (S. 2035), is designed to provide the authority necessary to achieve objectives established by the President for the Nation's next increment of uranium enrichment capacity.

An identical bill (H.R. 8401) was introduced on July 8, 1975, in the House, also by request, by Vice Chairman Melvin Price and Congressman John Anderson. Under the proposed legislation, the Energy Research and Development Administration (ERDA) would be authorized to negotiate and enter into cooperative agreements with private organizations to build, own and operate uranium enrichment plants. The proposed legislation would also authorize ERDA to initiate construction planning and design activities for expansion of an existing Government-owned uranium enrichment facility. The submission of this legislation is consistent with the Committee's belief that additional uranium enrichment capacity is required and that action is needed *now* to assure that sufficient nuclear fuel will be available in the mid-1980's to meet our domestic and foreign commitments.

In order to have an objective review of all important aspects of the Administration's complicated proposal, the Chairman of the Joint Committee asked the Comptroller General of the United States to make an exhaustive analytical review of the Administration's proposal for Government assistance to private uranium enrichment groups. The GAO report, entitled "Evaluation of the Administration's Proposal for Government Assistance to Private Uranium Enrichment Groups", was submitted to the Committee on October 31, 1975.

On December 2, 3, 4, 9 and 10, 1975, the Joint Committee held extensive hearings on the Administration's proposed plan. Testimony was received from senior officials of the following organizations within the Executive Branch: the Energy Research and Development Administration, the Nuclear Regulatory Commission, the Federal Energy Administration, the Environmental Protection Agency, the Department of Justice, the Department of Labor, the Council of Economic Advisors, the Department of Treasury, and the Office of Management

and Budget. In addition, the Committee heard testimony from Congressman William Harsha (R. Ohio) and from Elmer B. Staats, the Comptroller General.

The Committee also intends to receive testimony from the Secretary of State early in the next Congressional session, which will complete the Governmental phase of the hearings on this subject. It is anticipated that additional hearings will be scheduled soon thereafter to receive testimony from industrial firms interested in building enrichment facilities, from the utilities who would buy the output of such facilities, and from other interested parties and the public. The Committee intends to publish the record of the first five days of these hearings in the near future.

The hearings conducted to date have proven highly informative in terms of identifying the major policy issues associated with the Administration's proposed plan. Issues such as the appropriateness of the Government's proposed guarantees; the international implications; safeguards and security considerations; foreign participation; the sufficiency of competition; and the viability of the contingency plan to build an add-on Government facility have been thoroughly explored. Although the Committee has not yet reached any decision on the Administration's proposed plan, a consensus has developed that the Committee's review and approval authority for any specific proposals must be significantly strengthened. This matter is being explored further by the Committee with the Executive Branch.

II. AGREEMENTS FOR COOPERATION

4. On January 14, 1975, the Atomic Energy Commission submitted to the Congress a proposed amendment to extend for two years, until April 11, 1977, the Agreement for Cooperation between the United States and Israel which has been in existence since 1955. The proposed amendment was subject to the Congressional review procedure in Section 123d. of the Atomic Energy Act of 1954, as amended, in 1974 by Public Law 93-485 (88 Stat. 1460).

The agreement concerns peaceful research applications in the field of atomic energy such as the use of radioisotopes for agricultural and medical purposes and in reactor physics and nuclear chemistry. Under the Agreement for Cooperation, Israel purchased a 5 megawatt (thermal) research reactor from a United States manufacturer. That reactor, which became operational in 1960, is fueled with highly enriched uranium. The reactor is used for research in physics and chemistry and for the production of radioisotopes.

An open hearing was held on the amendment to the Act by the Subcommittee on Agreements for Cooperation, chaired by Congressman Teno Roncalio, on February 6, 1975, at which time testimony was received from Dr. Abraham S. Friedman, who was the then Acting Assistant Administrator for International Affairs in the Energy Research and Development Administration.

The Committee reported identical concurrent resolutions to the Senate (S. Con. Res. 15) and to the House (H. Con. Res. 114) which favored the proposed amendment. The concurrent resolution was

passed in the Senate on February 19, 1975, and in the House on March 11, 1975. In regard to this agreement, it should be noted that the research reactor is capable of producing negligible amounts of plutonium (approximately 2 grams per year), which would become available only after the irradiated fuel is reprocessed. Moreover, the agreement is subject to the safeguards of the International Atomic Energy Agency (IAEA) under a trilateral safeguards agreement among the United States, Israel and IAEA. The terms of the Agreement for Cooperation have worked satisfactorily during its long existence and the Committee is not aware of any violation of its terms.

B. On January 8, 1975, the Atomic Energy Commission submitted to the Congress a proposal to increase the amount of enriched uranium which may be distributed by the United States to the European Atomic Energy Community (EURATOM). The amendment proposes that the 35,000 megawatt ceiling in the existing agreement be increased to 55,000 megawatts of electric energy.

This proposed amendment was subject to the Congressional review procedure under Section 54 of the Atomic Energy Act, as amended, by Public Law 93-377 (88 Stat. 473, 474).

The Subcommittee on Agreements for Cooperation conducted open hearings on this proposed amendment on February 6, 1975, and received testimony from Dr. Abraham S. Friedman of ERDA. The Committee reported identical concurrent resolutions to the House (H. Con. Res. 116) and to the Senate (S. Con. Res. 14), which favored the proposed amendment. The Senate passed the concurrent resolution on February 19, 1975. The House resolution was tabled on March 17, 1975. (Note: The Congressional review procedure under Section 54 does not require a Congressional vote on concurrent resolutions as does the procedure under Section 123d. This is why the House concurrent resolution could be tabled.)

Increase in the capacity ceiling from 35,000 to 55,000 megawatts does not constitute a commitment of the United States to furnish special nuclear material in any amount. The commitment to furnish such material would result from contracts for enriching services between the Energy Research and Development Administration and the purchaser of the services to the extent that enriching capacity is available. The Energy Research and Development Administration estimates that the proposed 20,000 megawatt electric increase in the ceiling would be adequate for all nuclear powerplants to be built in EURATOM and which will require United States enriching services prior to July 1, 1984.

All special nuclear material which would be transferred to the Community would be subject to agreement provisions for safeguards against the diversion of special nuclear material to military applications. All transfers of special nuclear material by the United States to the seven nonnuclear weapon States of EURATOM will be in accordance with the United States' obligations under the Non-Proliferation Treaty (NPT), of which safeguards are a part.

C. On January 8, 1975, the Atomic Energy Commission submitted to the Congress a proposal to increase the ceiling of special nuclear material which may be distributed by the United States to the International

Atomic Energy Agency. The proposed increase in the ceiling for enriched uranium to fuel a total installed capacity of 2,000 megawatts of electric energy corresponds to the aggregate capacity of three nuclear power reactors to be purchased from United States manufacturers. These are the first power reactors to be purchased from United States sources through IAEA. Two of these reactors will be in Mexico and the other in Yugoslavia.

The proposed amendment was subject to the same Congressional review procedure discussed above with regard to the amendment to the EURATOM Agreement for Cooperation. The Subcommittee on Agreements for Cooperation held open hearings on the amendment to the IAEA agreement on February 6, 1975, and received testimony from Dr. Abraham S. Friedman of ERDA. The Committee reported a concurrent resolution to the House (H. Con. Res. 115) and an identical concurrent resolution to the Senate (S. Con. Res. 13), which favored the proposed action. The concurrent resolution was passed in the Senate on February 19, 1975, and was laid on the table in the House on March 17, 1975. As in the case of the situation with EURATOM discussed above, the commitment to furnish enriched uranium will result only under contracts for enriching services between the Energy Research and Development Administration and the purchaser of the services, and to the extent that enrichment capacity is available.

All of the enriched uranium which would be transferred would be subject to IAEA safeguards. Mexico and Yugoslavia are each member states of IAEA. Each of these countries is a party to the Non-Proliferation Treaty and each has concluded a safeguards agreement with IAEA pursuant to Non-Proliferation Treaty requirements. Reprocessing of the irradiated fuel from each of the three reactors could produce as much as 140 kilograms of plutonium annually. Under the terms of the United States-IAEA Agreement for Cooperation, the IAEA's statute, the United States-supplied enriched uranium, including the plutonium which is produced by the irradiation and the subsequent reprocessing of that uranium, is subject to the IAEA safeguards system.

With regard to all international agreements, the Joint Committee stated in its reports on the concurrent resolutions discussed above that the prevention of clandestine proliferation of nuclear weapons is essential to any exchange program. It is therefore necessary that adequate control be maintained over the nuclear fuel for any reactor which is operated outside of this country under any agreement with the United States. This control can be achieved through the IAEA safeguards system or through other systems such as a requirement that the receiving country return the irradiated fuel to the United States for reprocessing. While an objective of the United States international program for peaceful purposes of atomic energy continues to be that other nations have the opportunity to enjoy the benefits of atomic energy, every prudent step must be taken to prevent the clandestine diversion of special nuclear material for other than peaceful purposes.

During this session a number of bills were referred to the Joint Committee on Atomic Energy dealing with the subject of various

steps which should be taken to augment the safeguards which should apply to United States' participation in international nuclear trade. The Executive Branch opposed all of the bills which were referred to the Joint Committee. The Chairman of the Committee, Senator John O. Pastore (for himself and for Senator Mondale, Senator Inouye and Senator Montoya) on July 26, 1975, introduced Senate Resolution 221 which was referred to the Committee on Foreign Relations. The resolution called on the President to take the leadership in seeking cooperation in strengthening safeguards of nuclear materials. The purpose of the resolution is to convey the sense of the Senate that the President of the United States should seek:

1. Immediate international consideration of strengthening the effectiveness of the IAEA safeguards on peaceful nuclear activities, and intensified cooperation with other nuclear suppliers to insure that the most stringent safeguards conditions are applied to the transfer of nuclear equipment and technology to prevent the proliferation of nuclear explosive capacity;

2. Through the highest level of consultation in the United Nations and with the other leaders of the world community, an intensive cooperative international effort to strengthen and improve both the scope, comprehensiveness and effectiveness of the international safeguards on peaceful nuclear activities so that there will be a substantial and immediate reduction in the risk of diversion or theft of plutonium and other special nuclear material to military or other uses that would jeopardize world peace and security; and

3. Through consultation with suppliers of nuclear equipment and technology, their restraint in the transfer of nuclear technology and their cooperation in assuring that such technology and equipment is transferred to other nations only under the most rigorous, prudent and safeguarded conditions designed to insure the technology itself is not employed for the production of nuclear explosives.

The Executive Branch fully supported the objective of the resolution and believed that it would be supportive of the United States' efforts to abate the spread of nuclear weapons. Senate Resolution 221 was reported favorably by the Committee on Foreign Relations on December 10, 1975, and was passed by the Senate on December 12, 1975.

III. INFORMATIONAL HEARINGS

A. Naval Reactors

On March 5, 1975, the Subcommittee on Legislation, in executive session, heard testimony from Vice Admiral Hyman G. Rickover, Director, Division of Naval Reactors, ERDA, on the status of the Naval Nuclear Propulsion Program and the Administration's request for authorizing funds for that program for fiscal year 1976 and the transition quarter. Much of the material was of classified nature and thus cannot be summarized here. It is of importance to note that Admiral Rickover reported that the United States had in operation 105 nuclear submarines and 7 nuclear surface ships; the 131 reactors in the naval program have been operated for a total of 1,250 years without accident; and the nuclear fleet has steamed for a total of more than 28 million miles.

B. Liquid Metal Fast Breeder Reactor Program

On March 19, 1975, Senator John O. Pastore, Chairman of the Joint Committee on Atomic Energy, established a Subcommittee under the chairmanship of Representative Mike McCormack to review the Liquid Metal Fast Breeder Reactor (LMFBR) Program and related activities of the Energy Research and Development Administration. The purpose of this review was to examine the various concerns that have been expressed and questions that have been raised within the Congress and outside by members of the public with respect to several fundamental issues such as the need and timing of the breeder program, the cost and potential benefits to be realized from it, and the attendant risks associated with the ultimate widespread commercial use of this type of energy production and conversion technology.

In order to gather pertinent background information, Subcommittee Chairman McCormack wrote a letter to 90 organizations and individuals posing a series of questions on energy trends, energy sources, the role of nuclear power, and safety and environmental concerns. Responses received were published in a Committee print entitled "Issues for Consideration—Review of National Breeder Reactor Program," August 1975.

During the Spring and Summer, the Subcommittee held a series of public briefings and hearings on the history of the nuclear power program, the nuclear fuel cycle, reactor types and characteristics, the enrichment process, present status of the civilian nuclear power program and the role of utilities in the Clinch River Breeder Reactor Project.

Throughout June and July, during a series of seven public hearings, the Subcommittee received oral testimony from representatives of government agencies, private industry, public groups and individuals presenting information on both sides of the issue relevant to the need for the breeder program. These included energy trends, alternate energy sources, safety and environmental considerations, safeguards, role of converter and breeder reactors, and cost-benefit analyses.

The Subcommittee has prepared a report stating its views, conclusions and recommendations with regard to the need and timing of the breeder. It is planned that this report will be published early in 1976.

C. Nuclear Power Reactor Safety

The Joint Committee continued to devote major attention to the subject of nuclear power reactor safety over this past year. This was done in recognition of the fact that nuclear activities must be carried out in a manner which fully protects the health and safety of the public and which minimizes the impact of these activities on the environment. The health and safety record in the nuclear programs has been excellent, and there have been no radiation accidents in this country which have in any meaningful way jeopardized the public or the environment.

As part of its continuing attention to matters of safety significance, the Joint Committee held a hearing February 5, 1975, on the Nuclear Regulatory Commission (NRC) action of January 30, 1975, requiring the operators of 23 boiling water reactors to perform prompt safety inspections of certain piping in their plants. The purposes of this hearing were to determine the full extent of the situation requiring reactor shutdowns, its impact on the nuclear power program, and to bring this

matter fully and openly to the attention of the public. The precautionary shutdown action was taken by NRC after the discovery of pipe defects in several operating boiling water reactors. Testimony was received at the hearing from NRC and the Union of Concerned Scientists. The hearing clearly brought out the fact that the piping problems presented no hazard to the public, and that there had been no releases of radioactivity associated with the defects in the affected operating plants. During the inspections ordered by NRC, no additional cracks were found in the pipes of 22 of the plants; one plant reported that it had found one additional small crack in its piping. All pipes in which cracks were identified have been replaced.

The Joint Committee also held a hearing September 16, 1975, on the circumstances and implications, particularly from the standpoint of nuclear safety, of a fire which occurred on March 22, 1975, at the Tennessee Valley Authority's Browns Ferry Nuclear Plant. The purpose of this hearing, as in the previous case, was to examine the causes and impact of the event in question, and to bring this safety-related matter to the attention of the public. Testimony was received from the Nuclear Regulatory Commission, the Tennessee Valley Authority and the State of Alabama.

The record of this hearing showed, contrary to numerous reports in the media, that the fire did not constitute a "near disaster" and that sufficient backup systems were available at all times to provide necessary cooling of the nuclear reactor cores. There was no unusual release of radioactivity to the environment, and no hazard was presented to the public. Although the hearings demonstrated that improvements are needed in design practices and operating procedures to minimize the possibility and consequences of such fires in the future, the incident showed that nuclear powerplants indeed have a large margin of safety built into them.

On October 29, 1975, the Nuclear Regulatory Commission transmitted to the Joint Committee the final report of the Reactor Safety Study, which is generally referred to as the Rasmussen Report. The study, which was conducted over a three-year period, undoubtedly represents the most comprehensive risk assessment of nuclear plants ever made. The Joint Committee has strongly encouraged and supported this effort to quantify the risks associated with nuclear power, to put these risks into overall perspective, and to communicate these matters to the public in terms the layman can understand. The overall conclusion of the final report was that the risks attached to the operation of present-day nuclear powerplants are very low compared to other natural and manmade risks.

D. Radioactive Waste Management

On November 19, 1975, the Joint Committee held a public hearing on the policies, plans and programs of the Executive Branch to provide for the safe storage and disposal of radioactive wastes produced in the commercial nuclear fuel cycle. This hearing was a part of the Committee's continuing efforts to stimulate the development of a comprehensive waste disposal program. Among these efforts was the Committee's directive in its report on the bill authorizing ERDA appropriations for fiscal year 1976 that ERDA prepare a comprehensive

and detailed analysis of the options for storage and disposal of commercially generated radioactive wastes. This report is to be submitted to the Congress by March 31, 1976.

During the hearing, the Committee received testimony from ERDA on its research, development and demonstration activities on waste processing, storage and disposal. Testimony was also presented by the Nuclear Regulatory Commission and the Environmental Protection Agency on the standards and regulations being developed to assure the safe handling and disposal of radioactive wastes. The hearing served to show that there are no basic technical problems standing in the way of demonstrating an acceptable program for the disposal of radioactive wastes. The Committee will continue to devote major attention to this subject. It is planned that the record of this hearing will be published early in 1976.

IV. CLASSIFIED ACTIVITIES

A. Central Intelligence Agency

On April 8, 1975, the Director of the CIA briefed the Joint Committee on foreign intelligence matters. From time to time during the year, the CIA has provided the Committee with information concerning foreign intelligence relating to atomic energy.

B. Disarmament Matters

On April 10, 1975, the Director of the Arms Control and Disarmament Agency briefed the Joint Committee on the status and Strategic Arms Limitation Talks (SALT II) and the Mutual and Balanced Force Reduction negotiations.

On a continuing basis the Joint Committee, through its contacts with the Department of Defense, Department of State, Energy Research and Development Administration and the Arms Control and Disarmament Agency, keeps fully and currently informed on matters relating to disarmament.

C. Nuclear Weapons

The Joint Committee continued its oversight over the nuclear weapons program of both the Energy Research and Development Administration and the Department of Defense. Authorization hearings were conducted on March 12, 1975, on the weapons program with ERDA and DOD witnesses. During the year, the Chairman expressed to the Executive Branch continuing concern over the adequacy of safeguards and security of deployed U.S. nuclear weapons in light of the growing terrorist threats worldwide.

V. OTHER ACTIVITIES

A. Confirmation Hearings

The Senate Section of the Joint Committee held hearings on May 1, 1975, to consider the nomination of General Alfred D. Starbird to be Assistant Administrator of the Energy Research and Development Administration for National Security, and on June 27, 1975, to consider the nomination of Dr. Richard Roberts to be Assistant Admin-

istrator for Nuclear Energy. A joint hearing was held on March 14, 1975, with the Senate Committee on Interior and Insular Affairs to consider the nomination of Mr. Robert W. Fri to be Deputy Administrator, Dr. James L. Liverman to be Assistant Administrator for Environment and Safety, and of Dr. John M. Teem to be Assistant Administrator for Solar, Geothermal and Advanced Energy Research, in the Energy Research and Development Administration.

B. Changes in Committee Membership, 94th Congress, First Session

JAMES L. BUCKLEY, New York :

Appointed January 17, 1975

CLIFFORD P. CASE, New Jersey :

Appointed January 17, 1975

JAMES B. PEARSON, Kansas :

Appointed January 17, 1975

JOHN V. TUNNEY, California :

Appointed January 17, 1975

ANDREW J. HINSHAW, California :

Appointed January 29, 1975

FRANK HORTON, New York :

Appointed January 29, 1975

VI. COMMITTEE'S PLANS FOR 94TH CONGRESS, SECOND SESSION

The Joint Committee on Atomic Energy is unique in that it is the only Committee of Congress authorized to receive and recommend to the Congress proposed legislation in the field of atomic energy. In addition under its statutory charter in the Atomic Energy Act of 1954, as amended, the Joint Committee on Atomic Energy was established as an agent of the Congress and the American people and charged with the responsibility of making continuing studies of the activities of the executive branch in the field of atomic energy and of problems relating to the development, use and control of atomic energy. Thus under the Atomic Energy Act, the Joint Committee on Atomic Energy has the responsibility of carrying out the "watchdog" or oversight function in that field.

The Joint Committee's plans in connection with its legislative and oversight responsibilities during the second session of the 94th Congress include the following:

A. Legislation

1. Annual authorization hearings will be held on the nuclear part of the ERDA budget.

2. Annual authorization hearings will be held on the Nuclear Energy Regulatory Commission budget.

3. The Committee will continue its consideration of the Administration's Nuclear Fuel Assurance Act of 1975, identical bills, S. 2035 and H.R. 8401.

4. The Committee will consider the Administration's proposal to amend the Atomic Energy Act of 1954, as amended, to revise one of the bases for establishing prices for uranium enrichment services provided by ERDA. This proposal was introduced by request as identical bills, S. 2053 and H.R. 8389.

5. The Committee will continue its consideration of proposed siting and licensing legislation regarding nuclear facilities including the

Administration's proposals (S. 1717 and H.R. 7002, identical), H.R. 3995 and H.R. 3734, S. 1665, as well as other bills related to the nuclear fuel cycle.

6. The Committee's legislative calendar includes numerous bills which deal with the Nation's atomic energy program and consideration will be given to the need for Committee action on these bills.

7. Additional consideration will be given to extension of the Atomic Energy Community Act of 1955 authority to Los Alamos County and the Los Alamos school district.

B. Oversight Activities

1. The Committee will consider a report, which the Energy Reorganization Act of 1974 requires the President to submit to the Congress, on recommendations regarding the transfer of ERDA's military application functions.

2. The Committee will consider the report which the Energy Reorganization Act of 1974 requires the Nuclear Regulatory Commission to submit to the Congress, on the need for and the feasibility of a Federal agency to carry out certain security functions with regard to safeguards.

3. The Committee will consider the report which the Energy Reorganization Act of 1974 requires the Nuclear Regulatory Commission to submit to the Congress on its nuclear energy center site survey.

4. The Committee intends to schedule hearings in March of 1976 to consider the question of which utilities in this country are in a financial position to permit them to assume additional financial risks under the Price-Anderson Act.

5. The Committee has requested the Nuclear Regulatory Commission to submit a report on whether Price-Anderson protection should be given to plutonium fabrication facilities.

6. The Committee intends to hold further hearings and examine closely matters relating to the proper disposal of radioactive wastes from the civilian nuclear power program as well as matters related to other parts of the so-called "back-end of the fuel cycle," such as reprocessing of irradiated fuel.

7. The Committee also intends to thoroughly review the progress which is being made by ERDA and other agencies to survey the adequacy of uranium ore supplies in the United States.

8. The Committee intends to continue to examine closely the activities of the Nuclear Regulatory Commission to assure that the safety and environmental responsibilities of that agency continue to be carried out at the highest levels of efficiency and under procedures which are designed to achieve maximum efficiency, but without any sacrifice of the overriding goal of the regulatory mission.

9. The Committee intends to follow closely the progress which is being made with regard to the organization of the important Clinch River Breeder Reactor project and with regard to the plans for construction of the reactor.

10. If time permits, the Committee intends to schedule Section 202 hearings on the status of commercial nuclear power, including such matters as difficulties which are being encountered, fuel cycle problems, reliability and safety record.

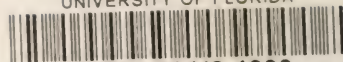
11. In the international area, the Joint Committee will continue its active oversight of topics relating to the proliferation of nuclear technology, which could lead ultimately to the possible proliferation of nuclear weapons. The Committee will also continue its long-standing interest in maintaining and improving the security of U.S. nuclear weapons deployed at home and abroad. Finally, the Committee will continue its review of matters related to the International Atomic Energy Agency.

12. In the classified field, the Joint Committee will actively pursue items relative to the strategic arms limitation talks and the mutual and balanced force reduction meetings. Also, in executive session, the Committee will receive its annual briefing by the CIA on overseas matters related to atomic energy.

13. Pursuant to Section 202b. of the Atomic Energy Act of 1954, as amended, the members of the Joint Committee who are Members of the Senate and members of the Joint Committee who are Members of the House of Representatives shall, on or before June 30th of 1976, report to their respective Houses on the development, use and control of nuclear energy for the common defense and security and for peaceful purposes.



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